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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Perfect score:
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length: 2000000000
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1: /cgn2_6/ptodata/2,
2: /cgn2_6/ptodata/2,
3: /cgn2_6/ptodata/2,
4: /cgn2_6/ptodata/2,
5: /cgn2_6/ptodata/2,
6: /cgn2_6/ptodata/2,
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/cgn2_6/ptodata/2/1aa/6A_COMB.pep:*
/cgn2_6/ptodata/2/1aa/6B_COMB.pep:*
/cgn2_6/ptodata/2/1aa/BCTUS_COMB.pep:*
/cgn2_6/ptodata/2/1aa/PCTUS_COMB.pep:*
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5194596-9
5219739-9
US-08-469-427A-15
US-08-569-063C-20
US-08-586-039B-31
US-08-784-551C-2
US-08-784-591C-2
US-08-60-427A-14
US-08-586-039B-27
US-08-784-597B-2
US-08-785-6309B-47
                                                         US-08-567-200A-2
US-08-807-992B-2
US-08-691-794-2
US-08-795-430-56
5332671-4
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                US-08-807-992B-9
US-08-327-709-2
US-08-464-956-2
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patent No. 5219739 .
Sequence 15, Appl
Sequence 30, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 2, Appli
Sequence 2, Appli
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Sequence 21, Appl
Sequence 21, Appl
Sequence 47, Appl
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Sequence 2, Appli
Sequence 2, Appli
Sequence 56, Appl
Patent No. 5332671
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Sequence
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Patent No. 5219739
                                                                                                                                                                                                                                                                                                                                                                                                                Description
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9, Appli
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GENERAL INFORMATION:
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RESULT		60 50.0	62 51.7	66 55.0	66 55.0	66 55.0	66 55.0	67 55.8	67 55.8	67 55.8	67 55.8	67 55.8	67 55.8	33 67 55.8 215	67 55.8	67 55.8	67 55.8	67 55.8	
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		Sequence 19, Appl	Sequence 12, Appl	Patent No. 5332671	Patent No. 5219739	Patent No. 5219739	Patent No. 5194596	Sequence 7, Appli	Sequence 4, Appli	Sequence 9, Appli	Sequence 7, Appli	Sequence 10, Appl	Patent No. 5240848	Patent No. 5219739	Sequence 49, Appl	Sequence 3, Appli	Patent No. 5240848	Sequence 26, Appl	- Jan Contract

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COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/586,039B
FILING DATE: 16-JAN-1996
CLASSIFICATION.
                                                                                                                                                                                                  PRIOR APPLICATION UNMEER: 08/124,259
APPLICATION NUMBER: 07/676,436
FILING DATE: 20-SEP-1993
APPLICATION UNMEER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/ACENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
FELECOMMUNICATION INFORMATION:
                                                                                                         TELEPHONE: (908) 594-390
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
STRANDEDNESS:
TOPOLOGY: line
MOLECULE TYPE: !
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR
TITLE OF INVENTION: SUBUNIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
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CITY: Rahway
STATE: New Jersey
                                                                    TYPE: amino acid
                                                                                      LENGTH: 146 amino acids
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                         linear
                                            single
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Query Match Best Local Similarity

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Score 120; DB 4; Pred. No. 1.8e-09;

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APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOHN C.;MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 2
5194596-19
                                                                                                   RESULT
                                                                                                                                                                                                                                                                                                       5219739-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.
TIPLE OF INVENTION: DNA SEQUENCES ENCODING BYEGF120 AND HYEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN YVASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BYEGF120 AND HYEGF121 NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 3
5219739-20
;Patent No. 5219739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 27-JUL-1989
SEQ ID NO:19:
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Best Local Similarity
Matches 17; Conserv
                                              Sequence 1, Application US/08807992B Patent No. 6022541
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Best Local Similarity 85.0
Matches 17; Conservative
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GENERAL INFORMATION:
APPLICANT: Senger
APPLICANT: Dvorak
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
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APPLICATION NUMBER: 387,545
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                                                                                                                                                   102 CECRPKKDRARQEKCDKPRR 121
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                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 450,883 FILING DATE: 14-DEC-1989 APPLICATION NUMBER: 387,545 FILING DATE: 27-JUL-1989
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Pred. No. 2.1e-07;
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Pred. No. 2.1e-07;
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                                                                                                                                                                                                                                                5194596-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN; C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 5
5194596-9
;Patent No. 5194596
                                                                                                                                                                                                                                                                                                                SEQ ID NO:9:
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                                                                Query Match
Best Local Similarity
Matches 16; Conserv
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Best Local Similarity
Matches 17; Conserv
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OPERATING SYSTEM: MS DOS
OPERATING SYSTEM: MS DOS
SOFTWARE: WORDPETECT VETSION 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: MARCH 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: DAVID PRASHKET, ESG.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
THE TENDENCE OF THE TOTAL T
                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07
FILING DATE: 14-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION UNMBER: 387,54
FILING DATE: 27-JUL-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
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TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 147 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 3 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       128 CECRPKKDRARQEKCDKPRR 147
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE:
                                                                                                                                                                                                                                                                            LENGTH: 120
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1 CECRPKKDRTKPEKCDKPRR 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (978) 525-3794
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            86.7%;
85.0%;
                                                                                                    84.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                vessel
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                                                                       2;
                                                                Score 101; DB 6;
Pred. No. 5.2e-07;
2; Mismatches 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 104; DB 3; Pred. No. 2.5e-07;
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                                                                       Indels
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                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5219739-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.
; JOHN C.; MITCHELL, RICHARD L.
; HITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND ; HVEGF 121 AND METHODS, FOR THE PRODUCTION OF BOVINE AND HUMAN ; VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5219739-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No. 5219739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 15, Application US/08469427A Patent No. 5607918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/07/55
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
                                                                   TELEPHONE: (202) 628-8
TELEFAX: (202) 628-884
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-UUN-1995
FILING DATE: 06-UUN-1995
                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Pajusola, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 40
                                                                                                                      TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   101 CECRPKKDKARQEKCDKPRR 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET:
                                                                                                                                                         NAME: Evans, Joseph D
REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE:
                                                                                                                                          REFERENCE/DOCKET NUMBER: 41979cp2
                                                                                                                                                                                                                                                                        CLASSIFICATION:
STRANDEDNESS:
                              LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CECRPKKDRTKPEKCDKPRR 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Washington
                  amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      E: Evenson, McKeown, Edwards & Lenahan
1200 G Street, N.W., Suite 700
                              189 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Olofsson, Bir
Alitalo, Kari
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eriksson, Ulf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                           06-JUN-1995
ON: 435
                                                                                                         (202) 628-8800
                                                                                                                                                                                                                                                                                                                                                                                            Floppy disk
single
                                                                                      628-8844
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       84.2%;
80.0%;
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                                                                                                                                                           26,269
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 120;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-569-063C-20
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Sequence 20, App...
--+ No. 5928939
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Best Local Similarity 29.7
Matches 19; Conservative
                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
                                                                                                                                                                                        TELEFAX: (202) 628-884
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B & TITLE OF INVENTION: DNA CODING THEREFOR NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C. STREET: 1200 G Street, N.W., Suite 700
                                                                                                     STRANDEDNESS:
TOPOLOGY: lir
MOLECULE TYPE:
                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 10 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
FILING DATE: 01-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/01 FILING DATE: 06-DEC-1995 PRIOR APPLICATION DATA: APPLICATION NUMBER: US 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    186 KPRR 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     126 CECRPKKDRTKPENHCEPCSERRKHLFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCD 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17 KPRR 20
                                                                                                                                                                                                                                                                                               NAME: EVANS, Joseph D
REGISTRATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Washington STATE: DC
                                                                                                                                                       TYPE: amino acid
                                                                                                                                                                                                                                            TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CECRPKKDRTKPE-----
                                                                                                                                                                         LENGTH:
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                                                                                                                                                                        190 amino acids
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                                                                                                                         linear
                                                                                                                                                                                                                                            (202)
                                                                                                     protein
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                                                                                                                                     single
                                                                                                                                                                                                                              628-8844
                                                                                                                                                                                                                                            628-8800
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                   70.8%;
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    Mismatches

Score 85; DB 2; Le
Pred. No. 0.00011;
"" matches 0;
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Pred. No. 0.00011;
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                                    Length 190
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Matches

Conservative

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Gaps

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RESULT 9
US-08-586-039B-31
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                              RESULT 10
US-08-586-039B-35
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; Sequence 35, Application US/08586039B
; Patent No. 6140073
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                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                          Query Match
Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (908) 594-4720 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: L.STREET: RAhway
CITY: Rahway
CITY: New Jersey
TISA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
TITLE OF INVENTION: SUBUNIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                      TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
08/124,259
                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       187 KPRR 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    187 KPRR 190
                                                                                                                                                             127 CECRPKKDRTKPENHCEPCSERRKHLFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCD 186
                                                                                                                               17 KPRR 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/0 FILING DATE: 16-JAN-1996
                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE:
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19; Conser
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                                                                                                                                                                                                                                                                                                                                                                   amino acids
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                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Merck & Co., Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (806)
                                                                                                                                                                                                                                                                                                                       protein
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                                                                                                                                                                                                                                          70.8%;
29.7%;
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                                                                                                                                                                                                                                          Score 85; DB 4; Length 190; Pred. No. 0.00011;
                                                                                                                                                                                                                             Mismatches
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                                                                                                                                                                                               ---KCD 16
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                                                                                                                                                                                                                                                                                                                     RESULT 11
                                                                                                                                                                                                                                                                  Sequence 2, Application US/08784551C Patent No. 6013780
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (908) 594-390
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
                                                                                 NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSEE: Blank, Rome, Comis
STREET: 900 17th Street, N.W.
                                                                                                                                                 APPLICANT: Zoya Poltorak TITLE OF INVENTION: ANGIOTITLE OF INVENTION: IN T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 183
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 28; MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Bayne, Marvin L. APPLICANT: Thomas Jr., Kenneth A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                    APPLICANT:
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                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                       127 CECRPKKDRTKPEK 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                STREET: 900 17th S
STREET: Suite 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/124,259 FILING DATE: 20;SEP-1993 APPLICATION NUMBER: 07/676,436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
COUNTRY: UZIP: 20006
                                  STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
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                                              Washington, D.C
                                N/A
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Israel Vlodavsky
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                 U.S.A.
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                                                                                                 Rome, Comisky & McCauley LLF
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Pred. No.
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage

COMPUTER: IBM CONTROL OPERATING SYSTEM:

IBM Compatible

DOS 5.0

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Best Local Similarity 38.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: COhen, Herbert
REGISTRATION NUMBER: 25,109
REFERENCE/DOCKET NUMBER: 0274
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 463-7700
                                   CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/
FILING DATE: 01-WAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Joseph D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows 2.0 CURRENT APPLICATION DATA:
                                                                                                                                            SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B TITLE OF INVENTION: DNA CODING THEREFOR NUMBER OF SEQUENCES: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 514 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Alitalo, r
APPLICANT: Pajusola,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             102 CECRPKKDRARQEKKSVRGKGKGQKRKRKKSRYKSWSVCDKPRR 145
                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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STRANDEDNESS: sir
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                  NAME: Evans, Joseph D
REGISTRATION NUMBER: :
                                                                                                                                                                                                                                                                                                       STATE:
                                                                                                                                                                                                                                                                                                                     CITY: Washington
                                                                                                                                                                                                                                                                                                                                    STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Olofsson, Bir
Alitalo, Kari
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 NUMBER:
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                  26,269
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    Mismatches

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Pred. No. 0.00022;
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Suite 700
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US-08-039-297B-2
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TOPOLOGY: US-08-039-2978-2
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Best Local S
Matches 12
                                                TELEX: WUI64470
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 149 amino
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                          REFERENCE/DOCKET NUMBER: 48
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-659-2811
                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert
REGISTRATION NUMBER: 20,
                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT 4
FILING DATE: 27-SEP-1990
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ADDRESSEE: L.L.P.
ADDRESSEE: L.L.P.
ADDRESSEE: L.L.P.
ADDRESSEE: L.L.P.
ADDRESSEE: L.L.P.
ADDRESSEE: N.W.
                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/039,297B FILING DATE: 19-APR-1993 CLASSIFICATION: 435
                                                                                                               TELEPHONE: 202 - 1462
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mes 12; Conserv
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                              STRANDEDNESS:
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             unknown
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PROTEIN WITH ANGIOGENESIS REGULATIVE PROPRERTIES
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Query Match
Best Local Similarity
Matches 12; Conserv

58.3%; ilarity 54.5%; Conservative

Score 70; DB 2; Pred. No. 0.0091; 4; Mismatches

Length 149;

Indels

2:

RESULT 14 US-08-569-063C-21 B 8

128 CECRPLREKMKPERCGDAVPRR 149

1 CECRPKKDRTKPEKCDK--PRR

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В
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; MOLECULE TYPE:
US-08-569-063C-21
                                                                                         US-08-795-430-55
                                                                                                       RESULT
                                           Sequence 55, Applicat Patent No. 6130071 GENERAL INFORMATION:
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (202) 628-8844
NFORMATION FOR SEQ ID NO:
 APPLICANT: Joukov, TITLE OF INVENTION:
                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: EVANS, Joseph D
REGISTRATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE: 01-MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/469,427 FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
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12; Conserv
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ALITALO, Kari
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54.5%;
Vascular Endothelial Growth Factor C (VEGF-C)
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Job time: 208 sec
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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APPLICATION NUMBER:
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APPLICATION NUMBER: PCT/I
FILING DATE: 01-AUG-1996
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NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
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                                                                            128 CECRPLREKMKPERCGDAVPRR 149
                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 08/510,133 FILING DATE: 01-AUG-1995
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             September 13,
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14-NOV-1994
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US-08-457-973A-30

US-08-464-956-1

US-08-479-73A-30

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   sequence 35, Appl
Sequence 15, Appl
Patent No. 5194596
Patent No. 5219739
Patent No. 5333671
Patent No. 5219739
Patent No. 5219
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ALIGNMENTS

ZIP: 20005 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/569,063C
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                                                                       Patent No. 6140073
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: sir
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FILING DATE: March 3, 1997
CLASSIFICATION: 424
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                                                                                                                                                                                                                                                                                                                                                                                                 25 amino acids
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Dvorak, Harold F
                                        Thomas Jr., Kenneth A.
                                                       Bayne, Marvin L.
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                       VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Immunological preparation for concurrent specific binding to spatially exposed regions of vascular permeability factor bound in-vivo to a tumor associated blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vessel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          92.1%; Score 105; DB 2; 100.0%; Pred. No. 1.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US/08/807,992B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                   Score 101; DB 3; Pred. No. 7.4e-11;
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                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                               DB 3; Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 190;
                                                                                                                                                                                                                                     Indels
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                                                                                                                                                                                                                                  Gaps
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US-08-586-039B-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTILL COUNTILL COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: IBM PC compatible
TOWNITER: IBM PC COMPATIBLE
TOWNITER: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (908)
INFORMATION FOR SEQ
                                                                                                                                                                                                                                                  APPLICANT:
                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 18 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                         TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: protein
                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION: NAME: Hand, J. Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co.,
                                                                                                                                                   CITY: Rahway
                                                                                                                                                                STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity nes 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                            COUNTRY: USA
ZIP: 07065-0900
                                                                                                                                         STATE:
                                                                                                                                                                                                                                                                                                                                                                             27 APTTEGEQKAHEVVKFMDVY 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 126 | CITY: Rahway
                                                                                                                                                                                ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                             1 APTTEGEQKSHEVIKFMDVY 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 36,545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amino acid
                                                                                                                                      New Jersey
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                                                                                                                                                               126 E. Lincoln Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         146 amino acids
                                                                                                                                                                                                                                                    Thomas Jr.,
                                                                                                                                                                                                                                                                  Bayne
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16-JAN-1996
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) 594-4720
NO: 33:
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                                                                                                                                                                                                                         SUBUNIT
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                                                                                                                                                                                                                                     VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
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           US/08/586,039B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 101;
Pred. No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                .7e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 146;
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Gaps

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CLASSIFICATION:

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US-08-586-039B-35
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// MOLECULE TYPE: protein
US-08-586-039B-31
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Best Local Similarity
                                                             APPLICATION NUMBER: 08/124,259
APPLICATION NUMBER: 07/676,436
APPLICATION NUMBER: 07/676,436
APPLICATION NUMBER: 07/676,436
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                              ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039;
FILING DATE: 16-JAN-1996
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 07/676,436
FILING DATE: 28 MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (988) 594-3905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acids
                    NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C TITLE OF INVENTION: SUBUNIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Bayne, Marvi
SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 126
CITY: Rahway
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 APTTEGEQKSHEVIKFMDVY 20
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27 APTTEGEQKAHEVVKFMDVY 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 190 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                  TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5, Application US/08586039B 6140073
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 126 E. Lincoln Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                               USA
                                 : (908) 594-3905
(908) 594-4720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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                                                                                                                                                                                                                                                             TUMBER: US/08/586,039B
16-JAN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-SEP-1993
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                  35:
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                                                                                       18361DA
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Pred. No. 7.7e-10;
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; STRANDEDNESS:
; TOPOLOGY: lin
; MOLECULE TYPE:
US-08-469-427A-15
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; TOPOLOGY: lin
; MOLECULE TYPE:
US-08-586-039B-35
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US-08-469-427A-15
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Best Local Similarity
Matches 18; Conserv
                                                         Matches 19;
                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                              TELEFAX: (202) 628-884
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 189 amino acid
TYPE: amino acid
                                                                                                                                                                                                                                                                                         FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, JOSEPh D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41
                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Rel
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Pajusola, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CILL DC STATE: DC 20005
                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
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                                                                                                                                                                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Application US/08469427A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: Evenson, McKeown, Edwards & Lenahan 1200 G Street, N.W., Suite 700
                                                                                                                                                                                                 189 amino acids
                                                          Conservative
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Olofsson, Birgitta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                          ss: single
linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                              (202) 628-8800
202) 628-8844
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90.0%;
                                                                       78.5%; Score 89.5; 95.0%; Pred. No. 7
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Pred. No. 8.8e-10;
                                                          Mismatches
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                                                                        .1e-08
                                                                                      DB 1;
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                                                          Gaps
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RESULT 7 5194596-11

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JOHN C.;MITCHELL, RICHARD L.

TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND FVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VAASCULAR ENDOPHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121 NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
FILING DATE: 27-JUL-1989
FILING DATE: 27-JUL-1989
                                                                                                                                    RESULT 9
5332671-14
;Pattent No. 5332671
; APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.;
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; TITLE OF AND DNA ENCODING SAME
                                                                                                                                                                                                                                                                                                             밁
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Best Local Similarity
Watches 15; Conserv:
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                                                                                                                                 GROWTH FACTOR AND DNA ENCODING SAME NUMBER OF SEQUENCES: 15
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5194596-11
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; APPLICANT: TISCHER,
;C.;MITCHELL, RICHARD L.
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO:11:
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5219739-11
SEQ ID NO:14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No. 5219739
APPLICANT: TISCHER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO:11:
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Best Local Similarity 75.0
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                                                                                APPLICATION NUMBER: US/07/389,722 FILING DATE: 04-AUG-1989 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883
FILING DATE: 14-DEC-1989
              APPLICATION NUMBER: 369,424
FILING DATE: 21-JUN-1989
APPLICATION NUMBER: 351,117
FILING DATE: 12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 27-JUL-1989
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                                                                                                                                                                                                                                                                                                                           APTTEGEQKSHEVIKFMDVY 20
                                                                                                                                                                                                                                                                                                             APMAEGGOKPHEVVKFMDVY 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APMAEGGQKPHEVVKFMDVY 21
                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
                                                                                                                                                                                                                                                                                                                                                                                          71.18;
75.08;
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                                                                                                                                                                                                                                                                                                                                                                                            Score 81;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                             Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                            DB 6;
1.6e-07;
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RESULT 11
5219739-26
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                                                                                                                                                        5219739-26
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TITLE OF INVENTION. DNA SEQUENCES ENCODING BVEGF120 AND HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VAASCULAR ENDOTHELIAL; CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5194596-21
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5332671-14
                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Patent No. 5219739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PATENT NO. 5194596;
PATENT NO. 5194596;
APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOHN;C.;MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 10
5194596-21
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                                                                     Matches
                                                                                     Query Match
Best Local :
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Best Local (
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
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CURRENT APPLICATION DATA:
APPLICATION UNBER: US/07/450,883
FILING DATE: 14-DEC-1989
                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity 75.0%; hes 15; Conservation
                                                                                                                                                                        LENGTH: 41
                                                                   Local Similarity 75.( les 15; Conservative
                                                                                                                                                                                                                        APPLICATION NUMBER: 387,545
                                                                                                                                                                                                                                        APPLICATION NUMBER: 450,883 FILING DATE: 14-DEC-1989
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                 APTTEGEQKSHEVIKFMDVY 20
APMAEGGOKPHEVVKFMDVY 20
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75.0%;
                                                               71.1%; Score 81; DB 6; 75.0%; Pred. No. 3.5e-07; Live 1; Mismatches 4
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Pred. No. 3.5e-07;
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Pred. No. 3
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RESULT

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GROWTH FACTOR

KINDBER OF SEQUENCES: 32

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/450,883

FILING DATE: 14-DEC-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 387,545

FILING DATE: 27-JUL-1989
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5194596-17
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5219739-9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARA B.

JUDITH A.; FIDDES, TITLE OF INVENTION: DNA SEQUENCES ENCODING BYEGF120 AND HUMAN HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BYEGF120 AND HYEGF121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOHN ;C.;MITCHELL, RICHARD L. TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
APPLICATION NUMBER: 387,545;
FILING DATE: 27-JUL-1989;SEQ ID NO:17:
                                                                                                                                                                                  APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN; C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                               GROWTH FACTOR
                                                                                                                                                                                                                                            Patent No. 5194596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO:9:
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Best Local :
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                        NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
CURRENT APPLICATION UMBER: US/07/450,883
FILING DATE: 14-DEC-1989
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
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FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
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Local Similarity 75.0%;
nes 15; Conservation
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75.0%;
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; LENGTH: 164
5194596-17
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5219739-17
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; APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES,
;JOHN C.;MITCHELL, RICHARD L.
;VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
;VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
                                                                                                                                                                        5219739-17
                                                                                                                                                                                                       FILING DATE: 27-JUL-1989; SEQ ID NO:17:
                                                                          Query Match
Best Local S
Matches 15
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Best Local Similarity
                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/07/

EILING DATE: 27-JUL-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 450,883

EILING DATE: 14-DEC-1989
                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 40 CURRENT APPLICATION DATA:
                                                                            Local Similarity hes 15; Conserv
                                                                                                                                                                                           LENGTH: 164
                                                                                                                                                                                                                                            APPLICATION NUMBER: 387,545
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75.08;
                                                                            71.1%; Score 81; DB 6;
75.0%; Pred. No. 1.7e-06;
tive 1; Mismatches 4
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Pred. No. 1.7e-06;
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                                                                                                               Length 164;
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Result
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score
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1: /cgn2_6/ptodata/2

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3: /cgn2_6/ptodata/2

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Gapop 10.0 , Gapext 0.
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Copyright (c) 1993 - 2000 Compugen
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/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/BCTUS_COMB.pep:*
/cgn2_6/ptodata/2/iaa/backfiles1.pep:*
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5240848-7
PCT-US96-09001-10
US-08-999-811-7
US-08-824-996-9
US-08-807-992B-4
US-09-042-105-7
US-08-807-992B-7
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US-08-807-992B-2
US-08-691-794-2
US-08-795-430-56
5332671-4
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US-08-569-063C-20
US-08-586-039B-31
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US-08-586-039B-49
5219739-22
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5219739-17
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                                                                                                                                                                                                                                                                                                                                                       sequence 31, Appl
Patent No. 5332671
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 56, Appli
Sequence 56, Appl
Patent No. 533671
Sequence 35, Appl
Patent No. 5240848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No. 5194596
Patent No. 5219739
Patent No. 5219739
Patent No. 5194596
Patent No. 5219739
                                                                                                                                                                                                                         Sequence 3; Appli
Sequence 49, Appl
Patent No. 5219739
Patent No. 5240848
   Sequence
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                                  10, Appli
7, Appli
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20, Appl
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5194596-17
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; TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent No. 5194596
APPLICANT: TISCHER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CUMBER OF SEQUENCES: 32

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883

FILING DATE: 14-DEC-1989

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545

FILING DATE: 27-JUL-1989
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164

45	44	43	42	41	40	39	38	37	36	35 5	34	33	32	31	30	29	28
74	74	80	80	80	80	85	85	85	85	85	85	85	85	85	89.5	89.5	89.5
31.2	31.2	33.8	33.8	33.8	33.8	35.9				35.9	35.9			35.9		37.8	37.8
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US-08-824-996-2	US-08-999-811-4	US-08-795-430-57	US-08-569-063C-11	US-08-609-443B-11	US-08-469-427A-11	US-08-569-063C-7	US-08-609-443B-7	US-08-469-427A-7	US-08-569-063C-5	US-08-609-443B-5	US-08-469-427A-5	US-08-569-063C-3	US-08-609-443B-3	US-08-469-427A-3	US-08-807-992B-30	US-08-807-992B-16	US-08-807-992B-13
Sequence 2, Appli	Sequence 4, Appli	Sequence 57, Appl	Sequence 11, Appl	Sequence 11, Appl	Sequence 11, Appl	Sequence 7, Appli	Sequence 7, Appli	Sequence 7, Appli	Sequence 5, Appli	Sequence 5, Appli	Sequence 5, Appli	Sequence 3, Appli	Sequence 3, Appli	Sequence 3, Appli	Sequence 30, Appl	Sequence 16, Appl	Sequence 13, Appl

ALIGNMENTS

PRODUCTION OF VASCULAR ENDOTHELIAL CELL EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN

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5219739-17
                                                                                                                                                                          Patent No. 5219739

APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.

JOHN C.; MITCHELL, RICHARD L.

TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEG NUMBER OF SEQUENCES: 40
5219739-17
                             SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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Best Local (
                                                                                                             APPLICATION NUMBER: US/07/559,041 FILING DATE: 27-JUL-1990 PRIOR APPLICATION DATA:
                                                                                                                                                                  CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                     121
                 LENGTH:
                                               APPLICATION NUMBER: 450,883 FILING DATE: 14-DEC-1989 APPLICATION NUMBER: 387,545 FILING DATE: 27-JUL-1989
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                                                                                                                                                                                                                                                                                                                                                                   NO:17:
                                                                                                                                                                                                                                                                                                                                                                                                                                    40;
                 164
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Mismatches
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BVEGF120 AND HVEGF121
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RESULT 5
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;Patent No. 5219739
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5219739-18
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; JOHN C.; MITCHELL, RICHARD L.
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TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
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APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
                                                                                                                                                                                                                                                                                           SEQ ID NO:18
                                                                                                                                                                                                                                                                                                                                                                                                                           GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VAASCULAR ENDOPHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121 NUMBER OF SEQUENCES: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO:18:
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                                                                                                                                                                             Query Match
Best Local Similarity
Matches 40; Conserv
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Matches
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          APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 14-DEC-1989
                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
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                                                                                                         122 ERRKHLFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR 165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  121 ERRKHLFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR 164
                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 387,545 FILING DATE: 27-JUL-1989
                                                                                                                                                                                                                                                                              LENGTH: 165
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FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
                                                                                                                        2 ERRKHLFV---QTCKCSCKNTDSRCKARQLE-NERTCRCDKPRR 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/07/559,041 FILING DATE: 27-JUL-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 27-JUL-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 ERRKHLEV---QTCKCSCKNTDSRCKARQLE-NERTCRCDKPRR 41
                                                                                                                                                                             Conservative
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                                                                                                                                                                                            86.9%;
90.9%;
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90.9%;
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                                                                                                                                                                         Score 206; DB 6;
Pred. No. 6.9e-17;
0; Mismatches (
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Pred. No. 6.8e-17;
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                                                                                                                                                                                                        Length 165;
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US-08-469-427A-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO:19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 15, Application US/08469427A Patent No. 5607918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 40; Conserv
                                                                                                            TELEFAX: (202) 628-88 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/ACENT INFORMATION:
NAME: Evans, Joseph D
REGISTRATION NUMBER: 26,269
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
TOPOLOGY: 1
MOLECULE TYPE:
                                                                                           SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Eriksson, Ulf
APPLICANT: Olofsson, Bir
APPLICANT: Alitalo, Kari
APPLICANT: Pajusola, Kati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          122 ERRKHLFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR 165
                                                                                                                                                                                                                                                                                                                           FILING DATE: 06 CLASSIFICATION:
                                     STRANDEDNESS:
                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Washington
STATE: DC
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                                                                         LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
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FILING DATE: 27-JUL-1990
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                                                   : 189 amino acids
amino acid
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1200 G Street, N.W., Suite 700
                   linear
                                                                                                                                                                                                                                                                                                                                                                                                  PatentIn Release #1.0,
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                                                                                                                                                      (202) 628-8800
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                                 single
                                                                                                                                  628-8844
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                                                                                                                                                                                                                                                                                                                                                            US/08/469,427A
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                                                                                                                15:
                                                                                                                                                                                        41979cp2
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Pred. No. 6.9e-17;
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                                                                                                                                                                                                                                                                                                                                                                                                  Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 165;
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US-08-586-039B-31
Sequence 31, Application US/08586039B; Patent No. 6140073
GENERAL INFORMATION:
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                                                             RESULT
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Best Local Similarity
                                                                                                                                                                                             Query Match
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                                                                                                                                                                                                                                                                                                                                                TELEFAX: (202) 628-8844 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                       TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 06-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: VASCULAR ENDOTHELIAN TITLE OF INVENTION: DNA CODING THEREFOR NUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katri
                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: EVANS, Joseph D
REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 1200 G S:
CITY: Washington
STATE: DC
                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Evenson, McKeown, STREET: 1200 G Street, N.W.,
                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE:
                                                                                                     LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION:
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                                                                                                                                                                                                                                                                                                  amino acid
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                                                                                                                                                                                                                                                                                                             190 amino acids
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                                                                                                                                                                 Conservative
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                                                                                                                                                                               90.9%;
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Pred. No. 7.8e-17;
                                                                                                                                                            Score 206; DB 2; Le
Pred. No. 7.9e-17;
Pred. No. 7.9e-17;
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Suite 700
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                                                                                                                                                               Indels
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RESULT 9
LENGTH: 190
5332671-3
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; APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                          GROWTH FACTOR AND DNA ENCODING SAME
NUMBER OF SEQUENCES: 15
CURRENT APPLICATION DATA:
                                            SEQ ID NO:3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 40; Conserv
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ZIP: 07065-09vv
COMPUTER READABLE FORM:
COMPUTER: Floppy disk
MEDIUM TYPE: Floppy disk
OMEDIUM TYPE: FBM PC compatible
OMEDIUM TYPEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (908) 594-4720 INFORMATION FOR SEQ ID NO: :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: PC-DOS/MS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/5
                                                                                                                                    APPLICATION NUMBER: US/
FILING DATE: 04-AUG-1989
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION: NAME: Hand, J. Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/1
FILING DATE: 20-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                     147 ERRKHLFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR 190
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APPLICATION NUMBER: 07/6
APPLICATION NUMBER: 07/6
TANG DATE: 28-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Rahway
STATE: New Jersey
                                                                                 APPLICATION NUMBER: 369,424 FILING DATE: 21-JUN-1989 APPLICATION NUMBER: 351,117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
                                                                  FILING DATE: 12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                           2 ERRKHLFV---QTCKCSCKNTDSRCKARQLE-NERTCRCDKPRR 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
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86.9%;

Score

206;

DB 6;

Length 190;

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Sequence 2, Application U;
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Dor
APPLICANT: DVOTAK, Hai
ITILE OF INVENTION: IN
ITILE OF INVENTION: SE
ITILE OF INVENTION: Ve
                                                                                                                                                               US-08-807-992B-2
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Best Local :
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                                                                                                                                                                                                                                                                                                        Matches
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/567,200A FILING DATE: 05-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Ferrara, Napoleone
TITLE OF INVENTION: Variants of Vascular Endothelial Cell
TITLE OF INVENTION: Growth Factor, Their Uses, and Process
TITLE OF INVENTION: Production
                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 191 amino acids
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                                                                                                                                                                                                                                                                                                          Local Similarity
nes 40; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: San Francisco
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 24,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94111-4187
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acid
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Dreger, Walter H.
Dreger, Walter H.
24,190
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                                                                                                                                                                                                                                                                                                          Conservative
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SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                              protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       398-3249
                                                                       Donald R
Harold F
                  Immunological preparation for concurrent specific binding to spatially exposed regions of vascular permeability factor bound in-vivo to a tumor associated by
                                                                                                                                              US/08807992B
                                                                                                                                                                                                                                                                                                                        90.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Growth Factor, Their Uses, and Processes for their
     vessel
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                                                                                                                                                                                                                                                                                                                       Score 206; DB 3; Pred. No. 7.9e-17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A-62326-1/WHD
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                                                                                                                                                                                                                                                                                                          Mismatches
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                    associated blood
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US-08-691-794-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: WordPerfect of CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 ERRKHLEV---QTCKCSCKNTDSRCKARQLE-NERTCRCDKPRR 41
||||||||
|14 ERRKHLEVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
FILING DATE: 0: CLASSIFICATION:
                                                                  OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                             CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OCCURRENT MS DUS
CORTWARE: WordPerfect version 5.1
                                   APPLICATION NUMBER:
                                                                                                                                                            COUNTRY: United ZIP: 94111-4187
                                                                                                                                                                                                                                ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert STREET: Four Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: P.O. BO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Application US/08691794
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                                                                                                                                                                             United States
                                                                                                                                                                                                                                                                                                                                                                                           Cunningham, Brian C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                           Wells, James A.
                                                                                                                                                                                                                                                                                                                                                                                                          Ferrara, Napoleone
                                                                                                                                                                                                                                                                                                                                                                                                                                Nguyen, Francis H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
                                                                                                                                                                                                                                                                                                                                                                                                                                               Keyt, Bruce A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IBM PS/1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Diskette,
                02-AUG-1996
                                                                                                                                                                                                                                                                                                                                                        Bing
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                                                                                                                                                                                                                                                                                                        Production
                                                                                                                                                                                                                                                                                                                     Variants of Vascular Endothelial Cell
Growth Factor, Their Uses, and Processes
                                   us/08/691,794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3.50 inch, 1.40 Mb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0;
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Pred. No. 7.9e-17;
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 56,
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                           FILING DATE: 28-JUN-100 PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 08/601,132
                                                                                                                                                                                        APPLICATION NUMBER: PCT/F196/01
FILING DATE: 01-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/671,573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Joukov, Vladimir TITLE OF INVENTION: Vascular TITLE OF INVENTION: Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Alitalo, APPLICANT: Joukov, V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
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                    PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                           FILING DATE: 14-FEB-
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: United States of America ZIP: 60606-6402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 6300 :
CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Dreger, Walter H. REGISTRATION NUMBER: 24,190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 0 FILING DATE: 05-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 6 FILING DATE: 25-AUG-1995
                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: A-63758/WHD
                                                          FILING DATE: 12-JAN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                           APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 ERRKHLEV---QTCKCSCKNTDSRCKARQLE-NERTCRCDKPRR 41
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6130071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             E: Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
01-AUG-1995
                                                                                                                   14-FEB-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vascular Endothelial Growth Factor C (VEGF-C)
Protein and Gene, Mutants Thereof, and Uses Thereof
57
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                    08/510,133
                                                                             08/585,895
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Pred. No. 7.9e-17;
0; Mismatches 0
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RESULT 1
5332671-4
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US-08-586-039B-35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; SEQ ID NO:4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;Patent No. 5332671

APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.

TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL

;GROWTH FACTOR AND DNA ENCODING SAME

; NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
Matches 40
                                                                                                                                                                             Sequence 35, Application US/08586039E Patent No. 6140073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                    GENERAL INFORMATION:
APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDO
TITLE OF INVENTION: SUBUNIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/
FILING DATE: 04-AUG-1989
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: 1: MOLECULE TYPE:
                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
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                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                        148 ERRKHLFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR 191
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TELEPHONE: 312/474-0448
                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 90.9 nes 40; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 351,117 FILING DATE: 12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 369,424 FILING DATE: 21-JUN-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Gass, David A. REGISTRATION NUMBER: 38,153
                   STREET:
                                                                                                                                                                                                                                                                                                             2 ERRKHLFV---QTCKCSCKNTDSRCKARQLE-NERTCRCDKPRR 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 ERRKHLFV---QTCKCSCKNTDSRCKARQLE-NERTCRCDKPRR 41
Rahway
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                 126 E. Lincoln Avenue
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein
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                                                                                                                                                                                                                                                                                                                                                                                  86.9%;
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90.9%;
                                                                                                            VASCULAR ENDOTHELIAL CELL GROWTH FACTOR
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                                    Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28967/33691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0;
                                                                                                                                                                                                                                                                                                                                                                 Score 206; DB 6; Length 191; Pred. No. 7.9e-17; O; Mismatches O; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 206; DB 4; Length 191; Pred. No. 7.9e-17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
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COUNTRY: USA

III: 07065-0900

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: ILM PC compatible

OPERATING SYSTEM: PC-DOS/NS-DOS

SOFTMARE: MAICROSCH NOON-06

COUREMN APPLICATION DATA:

SOFTMARE: MAICROSCH NOON-06

COUREMN APPLICATION DATA:

COASSIFICATION NOMBER: 08/124,259

FILING DATE: 20-SEP-193

APPLICATION NUMBER: 08/124,259

FILING DATE: 20-SEP-193

APPLICATION NUMBER: 07/676,436

FILING DATE: 20-MR-1991

ATONENEY,AGENT INFORMATION:

NAME: Hand, J. Mark

REGISTRATION NUMBER: 38/61DA

TELEPANE: (908) 594-4720

INFORMATION FOR SED ID NO: 35:

SEQUENCE CHARACTERISTICS:

INFORMATION FOR SED ID NO: 35:

SEQUENCE CHARACTERISTICS:

INFORMATION FOR SED ID NO: 35:

SEQUENCE CHARACTERISTICS:

INFORMATION FOR SED ID NO: 35:

SEQUENCE TYPE: anino acids

TYPE: anino acid

TYPE:
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Result
No.
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
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                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB DB
                                                                                                                                                                                                                                                                                                                                            Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       seq
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1: /cgn2_6/ptodata/2

2: /cgn2_6/ptodata/2

3: /cgn2_6/ptodata/2

4: /cgn2_6/ptodata/2

5: /cgn2_6/ptodata/2

6: /cgn2_6/ptodata/2
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Match Length DB
 US-09-266-543-7
138
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/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/backfiles1.pep:*
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GenCore version (c) 1993 - 2000
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US-08-999-811-7
US-08-824-996-9
US-08-807-992B-4
US-09-042-105-7
US-08-469-427A-15
US-08-569-063C-20
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US-08-807-992B-2
US-08-691-794-2
US-08-795-430-56
5332671-4
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US-08-807-992B-1
5194596-18
5219739-19
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5194596-19
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US-08-586-039B-49
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            JS-08-586-039B-33
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Compugen Ltd.
                                                                                                                                                                 Sequence 2, Appli
Sequence 1, Appli
Patent No. 5194596
Patent No. 5219739
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 5, Appli
          Sequence 4, Appli
Sequence 7, Appli
Sequence 15, Appli
Sequence 20, Appl
Patent No. 5194396
Patent No. 5219739
Sequence 33, Appl
                                                                                           Sequence 3, Appli
Sequence 49, Appl
Patent No. 5240848
Sequence 10, Appli
Sequence 7, Appli
Sequence 9, Appli
                                                                                                                                                                                                                                                                                                                                            Description
                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                Sequence 3
                                                                                                                                                                                                                                                                                          . 5194596
. 5219739
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45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28
67	75	75	75	75	75	75	75	75	76	76	83	120	121	121	121	121	121
48.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	55.1	55.1	60.1	87.0	87.7	87.7	87.7	87.7	87.7
188	170	170	154	149	149	149	149	149	158	138	19	215	214	190	190	164	164
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US-08-469-427A-11	US-08-586-039B-45	US-08-039-297B-8	US-08-586-039B-41	US-08-586-039B-47	US-08-795-430-55	US-08-569-063C-21	US-08-039-297B-2	US-08-469-427A-14	US-08-586-039B-39	US-08-586-039B-37	US-08-807-992B-24	5219739-22	US-08-586-039B-35	5332671-3	US-08-586-039B-31	5219739-18	5219739-17
Sequence 11, Appl	Sequence 45, Appl	Sequence 8, Appli	Sequence 41, Appl	Sequence 47, Appl	Sequence 55, Appl		Sequence 2, Appli	Sequence 14, Appl	•	•	Sequence 24, Appl	Patent No. 5219739	Sequence 35, Appl	Patent No. 5332671	Sequence 31, Appl	Patent No. 5219739	Patent No. 5219739

ALIGNMENTS

US-08-691-794-3

Justin US/08691794
Patent No. 6057428
GENERAL INFORMATTON

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FILING DATE: 05-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dregger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-63758/WHD
FELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEPA: (415) 398-3249
TELEEX: 910 277299
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                           CORRESONDENCE ADDRESS:
ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 9411-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/691,794
FILING DATE: 02-AUG-1996
CLASSIFICATION LOTA:
APPLICATION NUMBER: US 60/002,827
FILING DATE: 25-AUG-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Keyt, Bruce A.
APPLICANT: Nguyen, Francis H.
APPLICANT: Ferrara, Napoleone
APPLICANT: Cunningham, Brian (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Variants of Vascular Endothelial Cell
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
TITLE OF INVENTION: Production
                                                                                    SEQUENCE CHARACTERISTICS:
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STRANDEDNESS:
                                                       LENGTH:
                                amino
                                                       109 amino acids
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unknown
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TOPOLOGY:

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                                                                                                                                                                                                                                                                                                           JOHN C.; MITCHELL, RICHARD L.

TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND HAVEGE 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
:SEQ ID NO:19:
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5194596-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOI;C.;MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                 SEQ ID NO:20:
                                                                                                                                                                                                                                                                                                                                                                                         Patent No. 5219739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GROWTH FACTOR
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Best Local Similarity 96.2
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Best Local S
Matches 25
                                                                                       Query Match
                                                           Matches
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APPLICATION NUMBER: US/
FILING DATE: 14-DEC-1989
                                                                                                                                                                                                                                          FILING DATE: 27-JUL-1990 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 40 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 32
   61
                                                                         Local Similarity
                                                                                                                                                                             APPLICATION NUMBER: 387, FILING DATE: 27-JUL-1989
                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                         APPLICATION NUMBER: 450,883
                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/07/559,041
                                                                                                                                                                                                                                                                                                                                                                                                                                                               61 CNDEGLECVPTEESNITMQIMRIKPH 86
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les 25; Conserv
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CNDEGLECVPTEESNITMQIMRIKPH 86
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                                                           Conservative
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NUMBER: 387,545
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                                                                        96.4%;
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96.2%;
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96.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                      Score 133; DB 6;
Pred. No. 6.8e-15;
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Pred. No.
                                                         Mismatches
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                                                                                                                                                                                                                                                                                                               BVEGF120 AND HVEGF121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6e-15;
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                                                                                    Length 121;
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; TYPE: amino acid
; STRANDEDNESS: sir
; TOPOLOGY: linear
US-08-784-551C-2
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                                                                                                                                                                  Sequence 1, Application US/08807992B Patent No. 6022541
                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local
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                                                                                                                                                      GENERAL INFORMATION:
                                               APPLICANT: DVOTAK,
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: FASTSEQ for Windows 2.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/784,551C FILING DATE: January 21, 1007 CLASSIFTICE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 02
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 463-7700
                   CORRESPONDENCE ADDRESS:
                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cohen, Herbert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 20006
COMPOTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       UMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                       61 CNDEGLECVPTEESNITMQIMRIKPH 86
                                                                                                                                                                                                                                                                                                                                          Local Similarity
nes 25; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Cohen, Herbert
REGISTRATION NUMBER: 25,109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 900 17th St
STREET: Suite 1000
                                                                                                                                                                                                                                                                                                1 CNDEGLESVPTEESNITMQIMRIKPH 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (202) 463-6915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Washington, D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N/A
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                                                                                                                                    Senger,
                                                                                                                                                                                                                                                                                                                                          Conservative
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Israel Vlodavsky
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IBM Compatible
David Prashker,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Blank,
                                                                                                                                                                                                                                                                                                                                                                                                                                                        single
                                                                                                               Donald R
Harold F
                               vessel
31
                                                                               Immunological preparation for concurrent specific binding to spatially exposed re-
                                                                                                                                                                                                                                                                                                                                                       96.4%;
96.2%;
                                                                 permeability factor bound in-vivo to a tumor associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ANGIOGENIC FACTOR AND USE THEREOF IN TREATING CARDIOVASCULAR DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rome,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2:
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                                                                                                                                                                                                                                                                                                                                          0;
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Pred. No. 8.6e-15,
Esq.
                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                             spatially exposed regions of vascular
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RESULT 7
5219739-19
5219739-19
; PATENT NO. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BYEGF120 AND
; HYEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;Patent No. 5194596

APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOHN ;C.;MITCHELL, RICHARD L.
;C.;MITCHELL, RICHARD L.
;C.;TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5194596-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-807-992B-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO:18:
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Best Local S
Matches 25
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Best Local Similarity
Matches 25; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/
FILING DATE: March 3, 1997
CLASSIFICATION: 424
                                                                                                                                                                                                         61 CNDEGLECVPTEESNITMQIMRIKPH 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/07/450,883 FILING DATE: 14-DEC-1989
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: sir
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                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 387,545 FILING DATE: 27-JUL-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (978) 525-3794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 165
                                                                                                                                                                                                                           1 CNDEGLESVPTEESNITMQIMRIKPH 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CNDEGLESVPTEESNITMQIMRIKPH 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      147 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Diskette, 3.50 inch, 1.40 Mb storage
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                                                                                                                                                                                                                                                                                          96.48;
96.28;
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96.2%;
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                                                                                                                                                                                                                                                                        Score 133; DB 6
Pred. No. 1e-14;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 133; DB 3;
Pred. No. 8.8e-15;
0; Mismatches 1
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                                                                                                                                                                                                                                                                            0;
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; VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121; NUMBER OF SEQUENCES: 40; CURRENT APPLICATION DATA:
                                                                                       ; MOLECULE TYPE: protein US-08-567-200A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-567-200A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        문
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Best Local Similarity
Matches
                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No.
                                                                                                                                                                                                TELEPHONE: (415) 781-1
TELEFAX: (415) 398-324
TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-62
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/567,200A
FILING DATE: 05-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Keyt, Bruce A. APPLICANT: Nguyen, Franci APPLICANT: Ferrara, Napol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: FILING DATE: 27-JUL-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 387,545 FILING DATE: 27-JUL-1989
                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 CNDEGLECVPTEESNITMQIMRIKPH 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 14-DEC-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CNDEGLESVPTEESNITMQIMRIKPH 26
                                                                                                                                         amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ferrara, Napoleone
VENTION: Variants of Vascular Endothelial Cell
VENTION: Growth Factor, Their Uses, and Processes for their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nguyen, Francis H.
Conservative
                                                                                                                            linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                 96.48;
96.28;
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96.2%;
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                 Score 133; DB 3; Length 191; Pred. No. 1.2e-14;
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Pred. No. 1e-14;
Mismatches
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Suite 3400
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0;
Gaps
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RESULT 10
US-08-691-794-2
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                                                                                                                                                                                            Patent No.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/807
FILING DATE: MARCH 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS:
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                                                                                                                                             APPLICANT:
                                 TITLE OF INVENTION:
CORRESPONDENCE ADDRESS:
                NUMBER OF SEQUENCES:
                                              TITLE OF INVENTION:
                                                                                APPLICANT:
                                                                                               APPLICANT:
                                                                                                               APPLICANT:
                                                                                                                             APPLICANT:
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CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
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CORRESPONDENCE ADDRESS:
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TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                         87
                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: sir
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM FS,
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE:
                                                                                                                                                                                                                                                                                                       1 CNDEGLESVPTEESNITMQIMRIKPH 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SSEE: David Prashker, Esq.
T: P.O. Box 5387
Magnolia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01930
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            191 amino acids
                                                                            Li, Bing
                                                                                          Ferrara, Napoleone
Cunningham, Brian C.
Wells, James A.
                                                                                                                                            Nguyen, Francis H.
                                                                                                                                                                                                                                                                                                                                                    Conservative
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                                                                                                                                                            Keyt, Bruce A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (978)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             single
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Harold F
                              Production
                                                                                                                                                                                                                                                                                                                                                              96.48;
96.28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           525-3794
                                      Variants of Vascular Endothelial Cell Growth Factor, Their Uses, and Processes for their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MS DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             vessel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Immunological preparation for concurrent specific binding to spatially exposed re
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   specific binding to spatially exposed regions of vascular permeability factor bound in-vivo to a tumor associated blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       us/08/807,992B
                                                                                                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                              Score 133;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                               DB 3;
..2e-14;
                                                                                                                                                                                                                                                                                                                                                                              Length 191;
                                                                                                                                                                                                                                                                                                                                               Gaps
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RESULT 11
US-08-795-430-56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; MOLECULE TYPE: protein US-08-691-794-2
                                                                                                                                                                                                                                                                                                                                                                                      Sequence 56, Application US/08795430 Patent No. 6130071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 25; Conserv
                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (415) 398-32
TELEX: 910 27729
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 60/002,827
FILING DATE: 25-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/567,200
FILING DATE: 05-DEC-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
                                                  CURRENT APPLICATION DATA:
                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatil
                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (415) 398-3249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC:DOS/MS-DOS
SOFTWARE: Patentin Poloci
                                                                                                                                                                                           CITY: Chicago
STATE: Illinois
                               APPLICATION NUMBER:
                                                                                                                                                                                                                                STREET:
CLASSIFICATION:
            FILING DATE:
                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            87 CNDEGLECVPTEESNITMQIMRIKPH 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: FILING DATE: 02-AUG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CNDEGLESVPTEESNITMQIMRIKPH 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE:
                                                                                                                                                         RY: United States of America 60606-6402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       94111-4187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     : 191 amino acids
amino acid
)GY: linear
                                                                                                                                                                                                                      E: Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      E: Flehr, Hohbach, Test, Albritton & Herbert Four Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                      Joukov,
                                                                                                                                                                                                                                                                                                                                                   Alitalo, Kari
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      United
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02-AUG-1996
                                                                                                                                                                                                                                                                                  Vascular Endothelial Growth Factor C (VEGF-C)
Protein and Gene, Mutants Thereof, and Uses T: 57
                                                                                                                                                                                                                                                                                                                                      Vladimir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96.4%;
96.2%;
                                                                Release #1.0, Version #1.30
                               US/08/795,430
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .2e-14
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PRIOR APPLICATION DATA:

FILING DATE: APPLICATION NUMBER:

01-AUG-1996

PCT/FI96/00427

APPLICATION NUMBER: FILING DATE: 28-JUN

28-JUN-1996

08/671,573

RIOR APPLICATION DATA:

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RESULT 12
5332671-4
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                                                                                                                                      5332671-4
                                                                                                                                                                   SEQ ID NO:4:
                                                                                                                                                                                                                                                                                                        GROWTH FACTOR AND DNA ENCODING SAME NUMBER OF SEQUENCES: 15
                                              Query Match
Best Local Similarity 96.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 96.2
Conservative
                                                                                                                                                                              APPLICATION NUMBER: US/07/38
FILING DATE: 04-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 369,424
FILING DATE: 21-JUN-1989
APPLICATION UMBER: 351,117
FILING DATE: 12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/5
FILING DATE: 12-JAN-1996
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                      APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/3,
FILING DATE: 14-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 14-FEB-1996
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION: TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: 312/474-0448
87 CNDEGLECVPTEESNITMQIMRIKPH 112
                                                                                                                                                    LENGTH: 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                 87 CNDEGLECYPTEESNITMQIMRIKPH 112
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TOPOLOGY: lir
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REGISTRATION NUMBER: 38,153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 08/510,133
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER:
                 1 CNDEGLESVPTEESNITMQIMRIKPH 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein
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                                                                        96.4%;
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                                                         Score 133; DB 6;
Pred. No. 1.2e-14;
0; Mismatches 1
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Pred. No. 1.2e-14;
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                                                                                      DB 6; Length 191;
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                                                           Gaps
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RESULT 13
5240848-11
5240848-11
APPLICANT: KECK, PAMELA J.; CONNOLLY, DANIEL T.; FEDER, JOSEPH
TITLE OF INVENTION: DNA SEQUENCES ENCODING HUMAN VASCULAR
PERMEABILITY FACTOR HAVING 189 AMINO ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-807-992B-3
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US-08-807-992B-3
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Best Local Similarity
                                                                                                                                                                                                      OPERATING SYSTEM: MS DOS
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
DATA DETERMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL
                                                                                   INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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APPLICATION NUMBER: US/
FILING DATE: 10-JUL-1989
                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette,
COMPUTER: IBM PS/1
                                                                                                                                       REFERENCE/DOCKET NUMBER: BI
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 21-NOV-1988
                                                                                                                                                                      NAME: David Prashker, Esq. REGISTRATION NUMBER: 29,693
                                                   TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY:
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                                   STRANDEDNESS:
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                                                                                                                        TELEPHONE:
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                  POPOLOGY:
                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION:
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                                                  amino acid
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                                                                215 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                              USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Senger, Donald R
Dvorak, Harold F
              linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                David Prashker, Esq.
O. Box 5387
                                                                                                                      (978)
                               single
                                                                                                                      525-3794
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96.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Immunological preparation for concurrent specific binding to spatially exposed regions of vascular permeability factor bound in-vivo to a tumor associated b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         vessel
                                                                                                                                                                                                                                                                   US/08/807,992B
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                                                                                                                                                                                                                                                                                                                                                          3.50 inch, 1.40 Mb storage
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                                                                                                                                                             BIS-033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 133; DB 6; Length 214; Pred. No. 1.4e-14;
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Query Match Best Local Similarity

96.4%; 96.2%;

Score 133; DB 3; Pred. No. 1.4e-14;

Length 215;

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TELEFAX: (908) 594-4720; INFORMATION FOR SEQ ID NO: 49; SEQUENCE CHARACTERISTICS: LENGTH: 215 amino acids: TYPE: amino acids: TYPE: amino acid: TYPE: TYPE: protein US-08-586-039B-49
Search completed: September 13, 2001, 11:57:11 Job time: 209 sec
                                                                                          В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 15
US-08-586-039B-49
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 49, Application US/08586039B
Patent No. 6140073
GENERAL INFORMATION:
APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
TITLE OF INVENTION: SUBUNIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                             Query Match
Best Local Similarity
Matches 25; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION UMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Rahway
STATE: New Jersey
COUNTRY: USA
2IP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CORRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (908) 594-3905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           87 CNDEGLECVPTEESNITMQIMRIKPH 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/586,039B
                                                                                                                         1 CNDEGLESVPTEESNITMQIMRIKPH 26
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                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                              594-4720
ID NO: 49:
                                                                                                                                                                                96.4%;
                                                                                                                                                           Score 133; DB 4; Length 215; Pred. No. 1.4e-14; O; Mismatches 1; Indels
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Run on:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/2,

2: /cgn2_6/ptodata/2,

3: /cgn2_6/ptodata/2,

4: /cgn2_6/ptodata/2,

5: /cgn2_6/ptodata/2,

6: /cgn2_6/ptodata/2,
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/cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/BCTUS_COMB.pep:*
/cgn2_6/ptodata/2/iaa/backfiles1.pep:*
  DB
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US-08-807-992B-2
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US-08-999-811-7
US-08-824-996-9
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5219739-19
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US-09-042-105-7
US-08-742-243-45
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US-08-586-039B-49
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5332671-4
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(without alignments)
4.620 Million cell updates/sec
Sequence 3, Appli
Sequence 49, Appl
Patent No. 5249848
Sequence 10, Appli
Sequence 7, Appli
Sequence 9, Appli
Sequence 4, Appli
Sequence 45, Appli
Sequence 5194596
Patent No. 5194596
Patent No. 5194596
                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Appli
Sequence 1, Appli
Patent No. 5194396
Patent No. 5219739
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 5, Appli
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Patent No. 5194596
Patent No. 5219739
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5,	Sequence 11, Appl	Seguence 5, Appli	Sequence 9, Appli	Sequence 9, Appli	Sequence 9, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 46, Appl	Sequence 44, Appl	Sequence 35, Appl	Sequence 31, Appl	Sequence 20, Appl	Sequence 15, Appl	Sequence 33, Appl	Patent No. 5332671	Patent No. 5219739

ALIGNMENTS

RESULT 1 US-08-691-794-3 Sequence 3, Application US/08691794 Patent No. 6057428 GENERAL INFORMATION: APPLICANT: Keyt, Bruce A. APPLICANT: Nguyen, Francis H. COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA: APPLICANT: Li, Bing TITLE OF INVENTION: Variants of TITLE OF INVENTION: Growth Fact TITLE OF INVENTION: Production CORRESPONDENCE ADDRESS APPLICANT: Ferrara, Napoleone APPLICANT: Cunningham, Brian C. NUMBER OF SEQUENCES: APPLICANT: STATE: California COUNTRY: United States ZIP: 94111-4187 STREET: Four Embarca CITY: San Francisco ADDRESSEE: E: Flehr, Hohbach, Test, Albritton & Herbert Four Embarcadero Center, Suite 3400 Wells, James A. Variants of Vascular Endothelial Cell Growth Factor, Their Uses, and Processes for their

APPLICATION NUMBER: US/08/691,794
FILING DATE: 02-AUG-1996
CLASSIFICATION: 435
CLASSIFICATION DATA:
APPLICATION NUMBER: US 60/002,827
FILING DATE: 25-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/567,200
FILING DATE: 05-DEC-1995
ATTORNEY/ACENT INFORMATION:

Version

TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS: LENGTH: 109 amino acids

STRANDEDNESS:

unknown

amino acid

NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989

A-63758/WHD

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                                                                                                                                                                                                                                                                                                             APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, ; JOHN C.; MITCHELL, RICHARD L.
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND ; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HVEGF121; VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 3
5219739-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;Patent No. 5194596; APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOE;C.;MITCHELL, RICHARD L.
;C.;MITCHELL, RICHARD L.
                                                                                                                                                                 SEQ ID NO:20:
                                                                                                                                                                                                                                                                                                                                                                                          Patent No. 5219739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO:19:
                                                           Matches
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Best Local (
                                                                                                                                                                                                                                        FILING DATE: 27-JUL-1990 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 32 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                          Local Similarity nes 12; Conserv
61 CNDEGLECVPTEE 73
                                                                                                                                                                                          APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 CNDEGLECVPTEE 73
                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/07/450,883 FILING DATE: 14-DEC-1989
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               1 CNDEGLESVPTEE 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 121
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92.3%;
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                                                                     Score 66; DB 6;
Pred. No. 0.00014;
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Pred. No. 0.00014;
0; Mismatches 1
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Pred. No.
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US-08-807-992B-1
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                                                                                                                                                 Sequence 1, Patent No. 6
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Best Local
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                                                                                                                                   GENERAL INFORMATION:
                              APPLICANT: Senger, I
APPLICANT: DVOTAK, I
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: ISRAEL VI
APPLICANT: ZOYA POIT
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: APPLICANT:
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 463-7700
TELEFAX: (202) 463-6915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Blank, Rome, Comisky & McCauley LLP
STREET: 900 17th Street, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 514
PRIOR APPLICATION, DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: FastSEQ for I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                        61 CNDEGLECVPTEE 73
                                                                                                                                                                                                                                                                                                                                       Local
                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Con
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Cohen, Herbert REGISTRATION NUMBER: 25,109 REFERENCE/DOCKET NUMBER: 02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/784 FILING DATE: January 21, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: U
ZIP: 20006
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STREET: Suite 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Washington, D.C.
                                                                                                                                                                                                                                                                                      1 CNDEGLESVPTEE 13
                                                                                                                                                                                                                                                                                                                         Similarity
12; Conserv
                                                                                                                                                                   Application US/08807992B
                                                                                                                                                                                                                                                                                                                                                                                                                                                         amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N/A
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Eli Keshet
                                                                                                                                                                                                                                                                                                                         Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                            linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                           single
                                                                                               Donald R
Harold F
              Immunological preparation for concurrent specific binding to spatially exposed regions of vascular permeability factor bound in-vivo to a tumor associated blo vessel
                                                                                                                                                                                                                                                                                                                                         93.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ANGIOGENIC FACTOR AND USE THEREOF IN TREATING CARDIOVASCULAR DISEASE 9
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Pred. No. 0.00018;
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Db Qy

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Prashker, Esq.

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RESULT 7
5219739-19
5219739-19
; PATENT NO. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND
; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 6
5194596-18
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Best Local Similarity
Watches 12; Conserve
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; APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOHN
;C.;MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GROWTH FACTOR SEQUENCES: 32
                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO:18:
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Best Local Similarity
Matches 12; Conserv
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CURRENT APPLICATION NUMBER: US/08/807,992B
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/ACENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (978) 525-: INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 147 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 387,545 FILING DATE: 27-JUL-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/07/450,883 FILING DATE: 14-DEC-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: sir
TOPOLOGY: linear
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92.3%;
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92.3%;
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Pred. No. 0.00018;
0; Mismatches 1
                                                                                                                                                                                                                                                                                  Score 66; DB 6;
Pred. No. 0.00021;
                                                                                                                                                                                                                                                                   Mismatches
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; MOLECULE TYPE: protein US-08-567-200A-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT
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Best Local Similarity
Matches 12; Conserv
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Query Match
Best Local Similarity
Matches 12; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 27-JUL-1990
PRIOR APPLICATION NOMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
                                                                                                                                                                                                              TELEFAX: (415) 398-324
TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/567,200A
FILING DATE: 05-DEC-1995
CIASSITETCATION: 475
CIASSITETCATION: 475
                                                                                                                                                                                                                                                                CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-62326-1/WHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TRETERY (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Keyt, Bruce A..
APPLICANT: Nguyen, Francis H.
APPLICANT: Ferrara, Napoleone
                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                    TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: United States ZIP: 94111-4187
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                                                                                                                                    TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ferrara, Napoleone
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                                                                                                                                    linear
                                                                                                                                                                                                                                                      398-3249
                  93.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Production
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Variants of Vascular Endothelial Cell Growth Factor, Their Uses, and Processes for their
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92.3%;
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                    Score 66; DB 3;
Pred. No. 0.00024;
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Pred. No. 0.00021;
0; Mismatches 1
                                    Length 191;
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US-08-691-794-2
; Sequence 2, Application Patent No. 6057428
; GENERAL INFORMATION:
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US-08-807-992B-2
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                            Matches
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OPERATING SYTEM: MS DOS
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION UNUBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker; Esq.
REGISTRATION NUMBER: 29,953
REGISTRATION NUMBER: 29,953
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
                                                                                                          APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
CORRESPONDENCE
                         TITLE OF INVENTION: Variants of TITLE OF INVENTION: Growth Factorities of INVENTION: Production
                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
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P.O. Box 5387
                                                                        Li, Bing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dvorak,
                                                                                                       Nguyen, Francis H. Ferrara, Napoleone Cunningham, Brian C.
                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
                                                                                           Wells, James A.
                                                                                                                                                           Keyt, Bruce A.
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                                        Variants of Vascular Endothelial Cell Growth Factor, Their Uses, and Processes
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                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                        Score 66; DB 3;
Pred. No. 0.00024
                                                                                                                                                                                                                                                                                                                                                                                     Length 191;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ly exposed regions of vascular
                                                                                                                                                                                                                                                                                                                                                        Indels
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US-08-795-430-56
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                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 56, Application US/08795430 Patent No. 6130071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARB: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,430
                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                       APPLICANT: Alitalo, Kari
APPLICANT: Joukov, Vladimir
TITLE OF INVENTION: Vascular
TITLE OF INVENTION: Protein
                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: A-TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 60/002,827
FILING DATE: 25-AUG-195
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/567,200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/00
FILING DATE: 02-AUG-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 05-DEC-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (~-
                                                                                                                                                                     COUNTRY: United States of ZIP: 60606-6402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (415) 781-19
TELEFAX: (415) 398-3249
TELEX: 910 277299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CLASSIFICATION: 435
                                                                                                                                                                                                                 STATE:
                                                                                                                                                                                                                                 CITY: Chicago
                                                                                                                                                                                                                                                   STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          87 CNDEGLECVPTEE 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Dreger, Walter H. REGISTRATION NUMBER: 24,190
                                                                                                                                                                                                                                                                       ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: San Francisco
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                                                                                                                                                                                                                                             E: Marshall, O'Toole, Gerstein, Murray & Borun
6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        United States
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57
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92.3%;
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Pred. No. 0.00024;
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PRIOR APPLICATION DATA:

APPLICATION NUMBER:

APPLICATION NUMBER: PCT/: FILING DATE: 01-AUG-1996

PCT/F196/00427

FILING DATE:

28-JUN-1996

PRIOR APPLICATION DATA:

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RESULT 12
5332671-4
;PATENT NO. 5332671
; APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.
; APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
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                                                                                                                                         5332671-4
                                                                                                                                                                                                                                                                                                 GROWTH FACTOR AND DNA ENCODING SAME NUMBER OF SEQUENCES: 15
CURRENT APPLICATION DATA:
                                                                                                                                                                       SEQ ID NO:4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 12; Conserv
                                                                            Query Match
Best Local Similarity
                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
                                                                                                                                                                                      FILING DATE: 04-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 369,424
FILING DATE: 21-JUN-1989
APPLICATION NUMBER: 351,117
FILING DATE: 12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
TOPOLOGY: lin
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/5:
FILING DATE: 01-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/3-
FILING DATE: 14-NOV-1994
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PRIOR APPLICATION DATA:
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                                                                                                                                                       LENGTH: 191
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 08/601,132
 87 CNDEGLECVPTEE 99
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                             1 CNDEGLESVPTEE 13
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                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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92.3%;
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92.3%;
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                                                                                                                                                                                                                                                                                     US/07/389,722
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Pred. No. 0.00024;
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                                                                          Score 66; DB 6;
Pred. No. 0.00024;
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                                                             Mismatches
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RESULT 13
5240848-11
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US-08-807-992B-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;Patent No. 5240848
APPLICANT: KECK, PAMELA J.;CONNOLLY, DANIEL T.;FEDER,JOSEPH
TITLE OF INVENTION: DNA SEQUENCES ENCODING HUMAN VASCULAR
PERMEABILITY FACTOR HAVING 189 AMINO ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NO:11:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 92.
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/33
FILING DATE: 10-JUL-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 274,061
FILING DATE: 21-NOV-1988
                                                                                                                      APPLICATION NUMBER: US/08/807
FILING DATE: MATCh 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David prashker, Esq.
REGISTRATION UMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                            SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                            TYPE: amino acid
                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: MS DOS
                                                                                                                                                                                                                                                                                                                COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                              STREET: P.O. Bo
CITY: Magnolia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 87 CNDEGLECYPTEE
               TOPOLOGY: 1i
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                                                             LENGTH:
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                                                            215 amino acids
        ادمت: single
linear
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Dvorak, Harold F
                                                                                                                                                                                                                                                                                                                IBM PS/1
                                                                                                                                                                                                                                                                                                                                                                                                                              David Prashker, Esq.
O. Box 5387
                                                                                                              (978)
                                                                                                                                                                                                                                                                                                                               Diskette, 3.50 inch, 1.40 Mb storage
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Query Match
Best Local Similarity

93.0%;

Score Pred.

No.

DB 3; 0.00028;

Length 215;

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TELEFAX: (908) 594-4720

INFORMATION FOR SEQ ID NO: 49

SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-586-039B-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  В
Search completed: September 13, 2001, 11:57:11 Job time: 209 sec
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                                                                                                                                         Query Match
Best Local Similarity
Matches 12; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 15
US-08-586-039B-49
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION UNMBER: US/08/586,039B FILING DATE: 16-JAN-1996 CLASSIFICATION: DATA: PRIOR APPLICATION DATA: APPLICATION NUMBER: 08/124,259 FILING DATE: 20-SEP-1993 APPLICATION NUMBER: 07/676,436 FILING DATE: 28-MAR-1991 ATTORNEY/AGENT INFORMATION: NAME: Hand, J. Mark REGISTRATION NUMBER: 36,545 REFERENCE/DOCKET NUMBER: 18361DA TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C TITLE OF INVENTION: SUBUNIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                87 CNDEGLECVPTEE 99
                                                                                       87 CNDEGLECVPTEE 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 07065-0900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Rahway
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Merck & C.,
STREET: 126 E. Lincoln Avenue
                                                                                                            1 CNDEGLESVPTEE 13
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                                                                                                                                                            Conservative
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                                                                                                                                                          Score 66; DB 4; Length 215; 
Pred. No. 0.00028; 
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1;
                                                                                                                                                            0;
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                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                            0;
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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd

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Result
No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Minimum Match 0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein -
                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            seq
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             Issued_Patents_AA:*
1: /cgn2_6/ptodata/2,
2: /cgn2_6/ptodata/2,
3: /cgn2_6/ptodata/2,
4: /cgn2_6/ptodata/2,
5: /cgn2_6/ptodata/2,
6: /cgn2_6/ptodata/2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            length: 0
length: 2000000000
                                                                                                                                                                                                                                                                                                                                                 Match
 BLOSUM62
Gapop 10.0 , Gapext 0.
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86
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Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          197339 seqs, 20590346 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 September 13, 2001, 11:57:11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/BCTUS_COMB.pep:*
/cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
                                                                                                                                                                                                                                                                                                                                                Length
DВ
                                             PCT-US96-09001-10
US-08-999-811-7
US-08-824-996-9
US-08-807-992B-4
US-09-042-105-7
US-08-469-427A-15
US-08-569-063C-20
                                                                                                                                                                      US-08-567-200A-2

US-08-807-992B-2

US-08-691-794-2

US-08-795-430-56

5332671-4

5240848-11
                                                                                                                                                                                                                                              US-08-784-551C-2
US-08-807-992B-1
5194596-18
5219739-19
                                                                                                                                   US-08-586-039B-49
5240848-7
                                                                                                                                                                                                                                                                                                            US-08-691-794-3
5194596-19
                                                                                                                                                            US-08-807-992B-3
                                 5194596-9
           JS-08-586-039B-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Search time 57.94 Seconds
(without alignments)
5.686 Million cell updates/sec
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       Sequence 10, Appli
Sequence 7, Appli
Sequence 9, Appli
Sequence 4, Appli
Sequence 7, Appli
Sequence 15, Appli
Sequence 20, Appl
Sequence 20, Appl
Patent NO. 5219739
Sequence 33, Appl
                                                                                                                                                                   Patent No. 5219739
Sequence 2, Appli
Sequence 1, Appli
Patent No. 5194596
Patent No. 5219739
Sequence 2, Appli
Sequence 2, Appli
Sequence 56, Appli
Sequence 56, Appli
Sequence 5332671
Patent No. 5332671
                                                                                                                             Sequence 3, Appli
Sequence 49, Appl
Sequence 49, Appl
Patent No. 5240848
                                                                                                                                                         Patent No.
Patent No.
Sequence
                                                                                                                                                                                                                                                                                        sequence 3, Appli
Patent No. 5194596
Patent No. 5219739
                                                                                                                                  Patent No.
                                                                                                                                                                                                                                                                                                                                               Description
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45	44	43	42	41	40	39	38	37	36	35	34	ω ω	32	31	30	29	28
41	43	43	44	45	45	46	53	53	57	62	63	64	71	71	71	71	71
47.7	50.0	50.0	51.2	52.3	52.3	53.5	61.6	61.6	66.3	72.1		74.4	82.6	82.6	82.6		
149	12	12	1321	158	138	599	12	12	12	19	12	215	214	190	190	164	164
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US-08-469-427A-14	US-08-742-243-55	US-08-742-243-50	US-08-317-310A-64	US-08-586-039B-39	US-08-586-039B-37	US-09-080-983-9	US-08-742-243-54	US-08-742-243-51	US-08-742-243-52	US-08-807-992B-24	US-08-742-243-53	5219739-22	US-08-586-039B-35	5332671-3	US-08-586-039B-31	5219739-18	5219739-17
Sequence 14, Appl	Sequence 55, Appl	Sequence 50, Appl	Sequence 64, Appl	•	Sequence 37, Appl	Sequence 9, Appli	-	-	-		Sequence 53, Appl	Patent No. 5219739	Sequence 35, Appl	Patent No. 5332671	Sequence 31, Appl	Patent No. 5219739	Patent No. 5219739

RESULT 1 US-08-691-794-3 GENERAL INFORMATION: APPLICANT: Keyt, B APPLICANT: Nguyen, APPLICANT: Ferrara APPLICANT: Cunning APPLICATION NUMBER: US/08/691,794 EILING DATE: 02-AUG-1996 CLASSIFICATION: 435 PRIOR APPLICATION 1435 PRIOR APPLICATION DATA: 860/002,827 PILING DATE: 25-AUG-1995 PRIOR APPLICATION DATA: 88/567,200 APPLICATION NUMBER: US 08/567,200 APPLICATION DATA: US 08/567,200 APPLICATION NUMBER: US 08/567,200 APPLICATION NUMBER: US 08/567,200 APPLICATION NUMBER: US 08/567,200 APPLICATION NUMBER: 05-DEC-1995 ATTORNEY/AGENT INFORMATION: REGISTRATION NUMBER: 24,190 REFERENCE/DOCKET NUMBER: A-63758/WHD TELECOMMUNICATION INFORMATION: TETEDOLOGY: 1150 TO 1-1000 Patent No. Sequence TELEPHONE: (415) 781-1989 TELEFAX: (415) 398-3249 TELEX: 910 277299 INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTERISTICS: COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/691,794 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compati CORRESPONDENCE ADDRESS: ADDRESSEE: Flehr, Hohbach, Test, Albritton & STREET: Four Embarcadero Center, Suite 3400 TITLE OF INVENTION: Variants of TITLE OF INVENTION: Growth Faci TITLE OF INVENTION: Production NUMBER OF SEQUENCES: 45 APPLICANT: COUNTRY: United States ZIP: 94111-4187 CITY: San Francisco STATE: California LENGTH: 3, Application US/08691794 109 amino acids Ferrara, Napoleone Cunningham, Brian C. Li, Bing Nguyen, Francis H. Wells, Keyt, Bruce James A. Variants of Vascular Endothelial Cell Growth Factor, Their Uses, and Processes Version for their

STRANDEDNESS:

unknown

amino acid

TOPOLOGY:

unknown

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RESULT 2
5194596-19
;Patent no. 5194596
; PATENT TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOHN
;C.;MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                            RESULT 3
5219739-20
 В
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                                                                                                                      5219739-20
                                                                                                                                                                                                                                                                             ;Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES,
;JOHN C.;MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BYEGF120 AND
;HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
;VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BYEGF120 AND HYEGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5194596-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; MOLECULE TYPE: US-08-691-794-3
                                                                                                                                            SEQ ID NO:20:
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                                                   Matches
                                                              Query Match
Best Local Similarity
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Best Local Similarity
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Best Local
                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 40 CURRENT APPLICATION DATA:
                                                                                                                                                                                                             FILING DATE: 27-JUL-1990 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
 72
                                                                                                                                                                   APPLICATION NUMBER: 187,545
                                                                                                                                                                                                                                                                                                                                                                                                                 72
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                                                                                                                                                          APPLICATION NUMBER: FILING DATE: 27-JUL-
                                                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 387,545 FILING DATE: 27-JUL-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/
FILING DATE: 14-DEC-1989
                                                                                                                                 LENGTH: 121
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             EESNITMQIMRIKPH 16
EESNITMQIMRIKPH 86
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                                                   Conservative
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100.0%; Pr
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100.0%; Pr
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100.0%
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                                                             Score 77;
Pred. No.
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Pred. No.
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Pred. No
                                                 Mismatches
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3. 8.6e-08;
0;
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                                                             DB 6; L
8.6e-08;
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                                                                         Length 121;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 121;
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                                                 Indels
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                                                                                                                                    Sequence 1, Application Patent No. 6022541
GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                           Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 145 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                         APPLICANT: Senger,
APPLICANT: Dvorak,
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Cohen, Herbert
REGISTRATION NUMBER: 25,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: FastSEQ for CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 463-7700
                 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
TOPOLOGY: li
                                                                                                                                                                                                                                                72 EESNITMQIMRIKPH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: FILING DATE: Januar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Blank, Rome, Comis
STREET: 900 17th Street, N.W.
STREET: Suite 1000
CITY: Washington, D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                                                                                                                                    Application US/08807992B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : (202) 463-77
(202) 463-6915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SYSTEM: IBM P.C. DOS 5.0 FastSEQ for Windows 2.0
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                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                       linear
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David Prashker,
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U: 514
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                                                                                                       Donald R
Harold F
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                             vessel
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                                                                        Immunological preparation for concurrent specific binding to spatially exposed regions of vascular
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                                                          permeability factor bound in-vivo to a tumor associated blo
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Pred. No. 1.1e-07
0; Mismatches 0
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Esq.
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RESULT 7
5219739-19
; Patent No. 5219739
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND
; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PATENT NO. 5194596; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN; C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO:18:
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Best Local S
Matches 15
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Best Local Similarity
Matches 15; Conserv
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APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: DAY1d Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS: LENGTH: 147 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883
FILING DATE: 14-DEC-1989
                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
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nes 15; Conserv
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STRANDEDNESS: Si
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                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 165
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                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
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linear
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                                                                                                                                                                                                                                                                                                                                                                                                      27-JUL-1989
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                                                                                                                                                                                                                                                                 89.5%; Score 77; DB 100.0%; Pred. No. 1. tive 0; Mismatches
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                                                                          ; MOLECULE TYPE: protein US-08-567-200A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-567-200A-2
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Best Local Similarity
Matches 15; Conserv
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Query Match
Best Local Similarity
                                                                                                                                                                                          TELEPHONE: (415) 781-1
TELEFAX: (415) 398-324
TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
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APPLICATION NUMBER: US/C
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                            NAME: Dreger, Walter H.

NEGETSTRATION NUMBER: 24,190
REGETSTRATION NUMBER: A-0
REFERENCE/DOCKET NUMBER: A-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/01
FILING DATE: 05-DEC-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 4
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TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Keyt, Bruce A. APPLICANT: Nguyen, Franci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                  LENGTH: 191 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 450,883 FILING DATE: 14-DEC-1989 APPLICATION NUMBER: 387,545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: United States ZIP: 94111-4187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: San Francisco
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  72 EESNITMQIMRIKPH 86
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                                                                                                                TOPOLOGY:
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                                                                                                                              amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ferrara, Napoleone
VENTION: Variants of Vascular Endothelial Cell
VENTION: Growth Factor, Their Uses, and Processes for their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nguyen, Francis H.
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  89.5%; Score 77; 100.0%; Pred. No.
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                  DB 3;
                Length 191;
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2 EESNITMQIMRIKPH 16

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US-08-691-794-2
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; Patent No. 605
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Best Local Similarity
Watches 15; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (978) 525-3
[NFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                  APPLICANT:
APPLICANT:
CORRESPONDENCE ADDRESS
                 NUMBER OF
                           TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                     APPLICANT:
                                                                                                      APPLICANT:
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                      98 EESNITMQIMRIKPH 112
                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: sin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: David Prashker, Esq. REGISTRATION NUMBER: 29,693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/
FILING DATE: March 3, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
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                                                                                                                                                                 INFORMATION:
                                                                                                                                                                                 , Application US/08691794 6057428
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T: P.O. Box 5387
Magnolia
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Dvorak,
                                                                                     Wells, James A.
                                                                                                 Cunningham, Brian C
                                                                                                               Nguyen, Francis H.
Ferrara, Napoleone
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                                                                     Li, Bing
                                                                                                                                                Keyt, Bruce A.
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                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                 single
          Production: 45
                                   Variants of Vascular Endothelial Cell
Growth Factor, Their Uses, and Processes for their
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                                                                                                                                                                                                                                                                                                                                            89.5%;
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                                                                                                                                                                                                                                                                                                                              0;
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US-08-795-430-56
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                              Patent No.
                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/002
FILING DATE: 25-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION UNBER: US 08/567
FILING DATE: 05-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
                                 CURRENT APPLICATION DATA: APPLICATION NUMBER: US,
                                                                                                                                    COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                         APPLICANT: Joukov, Vladimir TITLE OF INVENTION: Vascular TITLE OF INVENTION: Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Eloppy disk
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                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
   CLASSIFICATION:
                                                                                                                                                                                                        CITY: Chicago
                                                                                                                                                                                                                           STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   86
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                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                         ADDRESSEE:
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94111-4187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 : 191 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              San Francisco
                                                                                                                                                                                          Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                California
                                                                                                                                                                                                                          E: Marshall, O'Too
6300 Sears Tower,
                                                                                                                                                                          United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: Flehr, Hohbach, Test, Albritton & Herbert Four Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                             Alitalo, Kari
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (415)
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435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      398-3249
                                                                                                                                                                                                                                                                             Vascular Endothelial Growth Factor C (VEGF-C)
Protein and Gene, Mutants Thereof, and Uses Thereof
57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 89.5%;
100.0%;
                                   US/08/795,430
                                                                                                                                                                                                                          O'Toole,
Tower, 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           us 08/567,200
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                                                                                                                                                                          of America
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Pred. No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A-63758/WHD
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                                                                                                                                                                                                                          Gerstein, Murray & Borun
South Wacker Drive
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0,

FILING DATE: 14-FEB-PRIOR APPLICATION DATA:

14-FEB-1996

APPLICATION NUMBER: 08/585,895

PRIOR APPLICATION DATA:
PRIOR APPLICATION UNMBER: 08/601,132

APPLICATION NUMBER: 08/671,573 FILING DATE: 28-JUN-1996

PRIOR APPLICATION DATA: PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE:

01-AUG-1996

PCT/F196/00427

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RESULT 12
5332671-4
; PATEENT NO. 5332671
; APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR AND DNA ENCODING SAME
; NUMBER OF SEQUENCES: 15
; NUMBER OF SEQUENCES: 15
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                                                                                                                                    5332671-4
                                                                                                                                                               SEQ ID NO:4:
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Best Local Similarity 100.
15; Conservative
                                                                       Query Match
Best Local Similarity
                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 01-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/340,01
FILING DATE: 14-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                          APPLICATION NUMBER: US/
FILING DATE: 04-AUG-1989
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 28
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 12-JAN-1996 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                               98 EESNITMQIMRIKPH 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98
                                                                                                                                               LENGTH: 191
                                                                                                                                                                               FILING DATE:
                                                                                                                                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                            APPLICATION NUMBER: 369,424 FILING DATE: 21-JUN-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 EESNITMQIMRIKPH 16
                           2 EESNITMQIMRIKPH 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ENGTH:
EESNITMQIMRIKPH 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              191 amino acids
                                                         89.5%; Score 77; DB 6; llarity 100.0%; Pred. No. 1.5e-07 Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                 NUMBER: 351,117
12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             not relevant
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. 1.5e-07;
                                                           0; Indels
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                                                         0;
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                                                         0,
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Query Match Best Local Similarity

89.5%; 100.0%;

Score 77; Pred. No.

DB 3; I 1.7e-07;

Length 215;

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RESULT 13
5240848-11
; Patent No.
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US-08-807-992B-3
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APPLICANT: KECK, PAMELA J.;CONNOLLY, DANIEL T.;FEDER,JOSEPH
TITLE OF INVENTION: DNA SEQUENCES ENCODING HUMAN VASCULAR
FERMEABILITY FACTOR HAVING 189 AMINO ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO:11:
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 3, Application US/08807992B Patent No. 6022541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                    INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: 274,061
FILING DATE: 21-NOV-1988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                             OPERATING SYSTEM: MS DOS
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                  SEQUENCE CHARACTERISTICS:
                                                                                                                                      TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Es
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 10-JUL-1989
                                                                                                                                                      NAME: David Prashker, Esq. REGISTRATION NUMBER: 29,693 REFERENCE/DOCKET NUMBER: BI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98 EESNITMQIMRIKPH 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 214
                               TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/
FILING DATE: March 3, 1997
                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PS/1
                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 01930
                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Magnolia
                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET:
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                                                                                                                     TELEPHONE:
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                                                                   LENGTH:
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                                                                   215 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                        USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Senger,
                  linear
                                                                                                                     (978) 525-3794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              David Prashker, Esq.
                                                                                                                                                                                                                                                                                                                                                     Diskette,
                                 single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Donald R
Harold F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Immunological preparation for concurrent specific binding to spatially exposed regions of vascular permeability factor bound in-vivo to a tumor associated blo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   vessel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        89.5%; Score 77; DB 6; 1 100.0%; Pred. No. 1.7e-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
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                                                                                                                                                                                                                                                                                                                                                       3.50 inch, 1.40 Mb storage
                                                                                                                                                          BIS-033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 214;
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FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/124,259
APPLICATION NUMBER: 07/676,436
APPLICATION NUMBER: 07/676,436
APPLICATION NUMBER: 07/676,436
APPLICATION NUMBER: 036,545
APPLICATION NUMBER: 36,545
REGISTRATION NUMBER: 36,545
REGISTRATION NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3905
TELEPHAX: (908) 594-3905
TELEPAX: (908) 594-720
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acids
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-586-039B-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 15
US-08-586-039B-49
; Sequence 49, Application US/08586039B
; Patent No. 6140073
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Вb
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Search completed: September 13, 2001, 11:57:11 Job time: 209 sec
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                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: LE STREET: LE STREET: Rahway . CITY: Rahway . CITY: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
TITLE OF INVENTION: SUBUNIT
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      98 EESNITMQIMRIKPH 112
                                                                                                                     2 EESNITMQIMRIKPH 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E: Merck & Co., Inc.
126 E. Lincoln Avenue
                                                                                                                                                                                              89.5%;
                                                                                                                                                                             0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                Score 77; DB 4; Length 215; Pred. No. 1.7e-07;
                                                                                                                                                                               Mismatches
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Title: Perfect score:

protein -

Scoring table:

Minimum DB Maximum DB

seq

6.2.4.2.2.

Patent No. 5240848
Sequence 10, Appli
Sequence 7, Appli
Sequence 9, Appli
Sequence 4, Appli
Sequence 7, Appli
Sequence 31, Appli
Sequence 31, Appl
Sequence 31, Appli
Sequence 31, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 33, Appli
Sequence 33, Appli
Sequence 33, Appli
Sequence 33, Appli

Sequence
Sequence
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Sequence 4
Sequence 4
Patent No.
Patent No.

3, Appli 49, Appl 5, 5219739 5240848

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       length: 0
length: 2000000000
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Match
   Issued_Patents_AA:*
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Gapop 10.0 , Gapext 0.
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78
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4.620 Million cell updates/sec
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/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/2/iaa/backfiles1.pep:*
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   B
                                                                       US-08-742-243-70
US-08-391-615-5
US-08-807-992B-7
US-08-807-992B-13
US-08-807-992B-16
US-08-807-992B-30
5194596-17
5219739-18
5194596-18
5194596-18
5219739-19
US-08-586-039B-31
5332671-3
                                                                                                                                                                                                                                                                                              US-08-586-039B-33
5194596-19
5219739-20
                                      US-08-567-200A-2
US-08-807-992B-2
US-08-691-794-2
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   -586-039B-35
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Compugen
                                                                                 Sequence 70, Appl
Sequence 7, Appli
Sequence 13, Appl
Sequence 13, Appl
Sequence 10, Appl
Sequence 30, Appl
Sequence 30, Appl
Patent No. 5194596
Patent No. 5219739
Patent No. 5219736
                                                                                                                                                                                                                                                         Sequence 33, Appl
Patent No. 5194596
Patent No. 5219739
Sequence 1, Appli
Patent No. 5194596
Patent No. 5219739
                         Patent No.
Sequence 2
Sequence 2
Sequence 2
Sequence 5
                                                                                                                                                                                                                                                                                                                                           Description
                        2, Appli
2, Appli
2, Appli
56, Appl
                                                                         31, Appl
. 5332671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1
US-08-586-039B-33
                                                                                                    TELEPHONE: (908) 594-4720
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 33
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 33, Application US/08586039B Patent No. 6140073
GENERAL INFORMATION:
Query Match
Best Local Similarity
                                                                                                                                                                   COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MICTOSOFT WORD
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039E
FILING DATE: 16-JAN-1996
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. MAIK
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
                                                           TYPE: amino acid
STRANDEDNESS: sing
TOPOLOGY: linear
MOLECULE TYPE: prote
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenne
TITLE OF INVENTION: VASCULAN
TITLE OF INVENTION: SUBUNIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 126 E
CITY: Rahway
STATE: New Je
                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
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 88.5%;
100.0%;
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ER: 18361DA
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US-08-807-992B-3
US-08-586-039B-49
5219739-22
5240848-7
FCT US96-09001-10
US-08-999-811-7
US-08-824-996-9
US-08-807-992B-4
US-09-042-105-7
US-08-320-559-31
US-08-807-992B-1
US-08-807-992B-1
US-08-807-992B-1
US-08-807-992B-1
US-08-807-992B-1
US-08-807-992B-10
US-08-784-551C-2
 Score 69;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ALIGNMENTS
 DB 4;
0.0015;
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Length 146;

Result No.

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RESULT 3
5219739-20
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                                                                            US-08-807-992B-1
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5194596-19
                                                                                          RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: DNA SEQUENCES ENCODING BYEGF120 AND HYEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN YAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BYEGF120 AND HYEGF YAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BYEGF120 AND HYEGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION UNMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO:19:
                                                                                                                                                                                                                                                                                                                SEQ ID NO:20:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No. 5194596;
APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOI;C.;MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
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Best Local S
Matches 9
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                                             Sequence 1, Application US/08807992B Patent No. 6022541
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Best Local
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 GENERAL INFORMATION:
APPLICANT: Senger,
APPLICANT: Dvorak,
                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/07/55
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 40 CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/
FILING DATE: 14-DEC-1989
                                                                                                                                       110 RARQEKCDKPRR 121
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                                                                                                                                                                                                                                                                                                 LENGTH: 121
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9; Conserv
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9; Conserv
 Senger,
Dvorak,
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Donald
Harold
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75.0%;
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75.0%;
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Pred. No. 0.29
1; Mismatches
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RESULT 5
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Best Local Similarity
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; APPLICANT: TISCHER,
;C.;MITCHELL, RICHARD L.
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: US-08-807-992B-1
                                                                                                                                                                                                                                                                                                                GROWTH FACTOR
                                                                                                                                                                              SEQ ID NO:9:
                                                                            Query Match
Best Local Similarity
                                                               Matches
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                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
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TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/
FILING DATE: 14 DEC-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 147 amino acids
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MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: DAVID PRESHREY, ESG.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BI:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
103 CRPKKDKARQEKCDKPRR 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                               136 RARQEKCDKPRR 147
                                                                                                                                                             LENGTH: 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordper MS DOS
5.1
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FILING DATE: March 3, 1997
                             1 CRTK-----PEKCDKPRR 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 RTKPEKCDKPRR 13
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                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (978) 525-3794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Diskette, 3.50 inch, 1.40 Mb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          single
                                                                                                                                                                                                                                                                                                                             PRODUCTION OF VASCULAR ENDOTHELIAL CELL
                                                                                                                                                                                                                                                                                                                                                              EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
                                                                            66.0%;
61.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              67.9%;
75.0%;
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                                                                                                                                                                                                                                                              US/07/450,883
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                                                                           Score 51.5;
Pred. No. 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 53; DB 3
Pred. No. 0.35;
                                                             Mismatches
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.47;
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RESULT 8
US-08-391-615-5
: Sequence 5, Application US/08391615
: Patent No. 5550054
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; OTHER INFORMATION: peptide fragment
US-08-742-243-70
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5219739-9
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; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN 'VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121 NUMBER OF SEQUENCES: 40
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
   APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
   APPLICATION DATA:
   APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/08/742,243A
CURRENT FILING DATE: 1996-10-31
EARLIER APPLICATION NUMBER: 308184/1995
EARLIER FILING DATE: 1995-11-01
NUMBER OF SEQ ID NOS: 70
SEQ ID NO 70
LENGTH: 12
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Best Local Similarity
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: ASANO, MAKOTO
APPLICANT: Yukita, Ayako
APPLICANT: Hanatani, Mitsuya
APPLICANT: Matasumoto, Tomoe
APPLICANT: Matasumoto, Masaji
APPLICANT: Okamoto, Masaji
APPLICANT: Suzuki, Hideo
TITLE OF INVENTION: Peptides And Monoclonal Antibodies
FILE REFERENCE: 07898/005001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 70,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 450,883 FILING DATE: 14-DEC-1989 APPLICATION NUMBER: 387,545
                                                                                                                             6 EKCDKPRR 13 ::|||||
                                                                                                      5 QECDKPRR 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION:
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61.1%;
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75.0%;
                                                                                                                                                                                                Score 40; |
Pred. No. 2
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Best Local Similarity
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                                                                                                                                                                                                                                        Sequence 7, Application US/08807992B Patent No. 6022541
                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Senger
APPLICANT: Dvorak
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
FILING DATE: 21-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: ROwland, Bertram I
REGISTRATION NUMBER: 20,01
                                                                                                               APPLICANT: Senger, I APPLICANT: DVOTAK, I TITLE OF INVENTION: TITLE OF INVENTION: TITLE OF INVENTION:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
                                         NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 5387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS
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CORRESPONDENCE ADDRESS:
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              CITY: Magnolia
STATE: Massach
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: si
TOPOLOGY: linear
COUNTRY:
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CITY: San Francisco
STATE: California
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         Massachusetts
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     588 amino acids
USA
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Rawlings, David
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Harold F
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54.5%;
                                                                                                                   vessel
                                                                                                                            Immunological preparation for concurrent specific binding to spatially exposed regions of vascular permeability factor bound in-vivo to a tumor associated blo
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Pred. No.
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COMPUTER READABLE FORM: MEDIUM TYPE: Diskett

IBM PS/1

Diskette, 3.50 inch, 1.40 Mb storage

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CLASSIFICATION: 42*
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
""" TELECOMMUNICATION INFORMATION:
""" TO NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No.
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                                                                                 TELEPHONE: (978) 525-3794 (NFORMATION FOR SEQ ID NO: 13
                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                      APPLICATION NUMBER: US/08/
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
                                                                                                                                                                                                                                                             COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: WOrdPerfect version 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Senger, Donald R
APPLICANT: Dvorak, Harold F
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APPLICATION NUMBER: US,
FILING DATE: March 3, 1
CLASSIFICATION: 424
                                                                                                TELEPHONE: (978) 525-3794
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FITLE OF INVENTION:
            STRANDEDNESS:
                                                                                                                                                NAME: David Prashker, Esq. REGISTRATION NUMBER: 29,693
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nes 6; Conserv
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TYPE: amino acid
STRANDEDNESS: single
                                   TYPE:
                                                                                                                                       REFERENCE/DOCKET NUMBER: BIS-033
                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE:
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SOFTWARE: WordPe
                                                ENGTH:
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                         H: 19 amino acids amino acid
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Magnolia
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linear
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            single
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85.7%;
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3, 1997

    Mismatches

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RESULT 12
US-08-807-992B-30
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Best Local Similarity
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Best Local Similarity
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                                                                         Sequence 30, Application US/08807992B Patent No. 6022541
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                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (978) 525-
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Senger, APPLICANT: Dvorak, TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM: MS DOS
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS
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MEDIUM TYPE: Diskett
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APPLICANT:
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                                                                                                                                                                     13 RCDKPRR 19
                                                                                                                                                                                                                                                                                                                                    LENGTH: 19 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: David Prashker, Esq. REGISTRATION NUMBER: 29,693 REFERENCE/DOCKET NUMBER: BI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/
FILING DATE: March 3, 1997
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: David . -
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                                                                                                                                                                                                7 KCDKPRR 13
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o. 6022541
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                              Donald R
Harold F
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Harold F
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85.7%;
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85.7%;
Immunological preparation for concurrent specific binding to spatially exposed regions of vascular
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Pred. No. 5.
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                                                                                                                                                                                                                                Indels
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RESULT 13
5194596-17
5194596-17
FPATENT NO. 5194596
FARENTICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOH;C.;MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
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                                                                                                                                                                          ; FILING DATE: ;SEQ ID NO:17:
                                                         Query Match
Best Local Similarity
Matches 6; Conserv
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Best Local Similarity
Matches 6; Conserv
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                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: DAVId PLASTKET, ESq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch,
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
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FRAGMENT TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
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TITLE OF INVENTION: ve
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 32
158 RCDKPRR 164
                                                                                                                                                                                                                                        APPLICATION NUMBER: US/07/450,883 FILING DATE: 14-DEC-1989
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FILING DATE: March 3, 1997
CLASSIFICATION: 424
                                                                                                                                                           LENGTH: 164
                                                                                                                                                                                       APPLICATION NUMBER: 387,545 FILING DATE: 27-JUL-1989
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internal
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APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.

TITLE OF INVENTION: DNA SEQUENCES ENCODING BYEGF120 AND HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BYEGF120 AND HVEGF121 NUMBER OF SEQUENCES: 40
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Best Local Similarity
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Search completed: September 13, 2001, 11:57:10 Job time: 208 sec
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; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND ; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN ; VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
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5219739-17
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                                                                                                                                                                                                                                                                                                       SEQ ID NO:18:
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APPLICATION NUMBER: 450,883
FILING DATE: 14 - DEC - 1989
APPLICATION NUMBER: 387,545
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                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 450,883 FILING DATE: 14-DEC-1989 APPLICATION NUMBER: 387,545
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FILING DATE: 27-JUL-1990
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                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/07/559,041 FILING DATE: 27-JUL-1990
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PCT-US90-06962-1
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                                                                                                                                        Patent No.
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                                                                                                                       GENERAL INFORMATION:
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NAME: PARK, FREDDIE K.
REGISTRATION NUMBER: 35,636
REFERENCE/DOCKET NUMBER: 2209
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (415) 494-079
TELEX: 706141
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/284,784
FILING DATE: 02-AUG-1994
CLASSIFICATION: 530
                                  APPLICANT:
APPLICANT:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: OLSON, PAN
APPLICANT: OLSEN, DAV
APPLICANT: CARRILLO,
                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
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                     TITLE OF INVENTION:
                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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STATE: California
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INVENTION
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                                                                                   Mascarenhas, Desmond
Zhang, Yang
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                                    Cohen,
                                                 Olsen,
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                                Pedro A.
                                                                   Pamela S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TRANSPORTED OUT OF THE CYTOPLASM WITHOUT LEADER SEQUENCES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EXPRESSION OF FUSION POLYPEPTIDES
EXPRESSION OF FUSION POLYPEPTIDES TRANSPORTED OUT OF THE CYTOPLASM WITHOUT LEADER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22095-20275.20
                                                                                                                                                                                                                                                                                                                                                Length 132;
                                                                                                                                                                                                                                                                                                                   Indels
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                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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Best Local 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/284,784
FILING DATE: 02-AUG-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 132 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/100,744 FILING DATE: 02-AUG-1993 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
                                                                                                                               ZIP: 60603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
                                                                     SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                 APPLICANT: Baird, J. A. APPLICANT: Hajjar, Davi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION: TELEPHONE: 650-813-5600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Treatment of HSV
                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: V-
TELEFAX: 706141
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                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 650-010792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Buffinger, Nicholas S
REGISTRATION NUMBER: 39,124
REFERENCE/DOCKET NUMBER: 220
                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                   STREET: 135 Sout
CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/0 FILING DATE: 12-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity es 45; Conserv
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                         FILING DATE: 1: CLASSIFICATION:
                                     APPLICATION NUMBER: PFILING DATE: 19901129
                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                 ADDRESSEE: Fitch, Even, To
STREET: 135 South LaSalle
APPLICATION: Au 186/Cl 424
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                                                                                                                                                                                     USA
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                                                         PCT/US90/06962
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Pred. No. 9.6e-28;
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RESULT 5
US-07-830-330-1
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                                                              CURRENT APPLICATION NUMBER: US/07/830,330
APPLICATION NUMBER: US/07/830,330
ETILING DATE: 19920420
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, NO. 5288704man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 769-230-
TELEPHONE: (703)521-4500
TELEPHONE: (703)486-2347
TELEPHORE: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
FENCTH: 145 amino acids
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Carminati, P
APPLICANT: Mazue, Guy
TITLE OF INVENTION: SYN
TITLE OF INVENTION: FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tent No.
MOLECULE TYPE: protein ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 22202
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 157 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: (619)552-1311
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             / Match 100.0%; Score 239; DB 5 Local Similarity 100.0%; Pred. No. 1e-27; nes 45; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                             STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE:
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REFERENCE/DOCKET NUMBER:
                                   TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                             Arlington
: Virginia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Application US/07830330
                                                                                                                                                                                                                                                                                                                                                                                                                                                      E: P.C.
1755 Jefferson Davis Highway, Fourth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Garofano, Luisa
Battistini, Carlo
Carminati, Paolo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ungheri, Domenico
                                                                                                                                                                                                                                                                                                                                        E: Floppy disk
IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SYNERGISTIC COMPOSITION COMPRISING A FIBROBLAST GROWTH FACTOR AND A SULFATED POLYSACCHARIDE, FOR USE AS ANTIVIRAL AGENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US 07/443,939
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RESULT 6
US-08-187-780-3
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Best Local :
                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 07/806,771
APPLICATION NUMBER: 07/806,771
APPLICATION NUMBER: 07/17,506
FILLING DATE: APril 4, 1988
APPLICATION NUMBER: 07/062,925
FILLING DATE: June 16, 1987
ATTORNEY/ACENT INFORMATION:
NAME: Howard M. Frankfort
NAME: Howard M. Frankfort
REGISTRATION NUMBER: 32,613
REGISTRATION NUMBER: 32,613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                  TELEFAX: (212) 753-6237 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25
MEDIUM TYPE: 360 Kb storage
COMPUTER: IBM or IBM-compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: January 25, 1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/901,705
FILING DATE: June 22, 1992
                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 527-7700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: CLAUDIO BASILICO APPLICANT: DANIELA TALARICO
PUBLICATION INFORMATION
              OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM or IBM-compatible OPERATING SYSTEM: PC/MS-DOS SOFTWARE: Wordperfect
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                                                                                           IDENTIFICATION METHOD:
                                                                                                                                                                    DESCRIPTION:
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                                                                                                                                                                                                                                    TYPE:
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                                                                                                                                                                                                                                                  ENGTH:
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                                                                                                                                                                 Protein
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JMBER: 07/806,771
                                                                                                                                                                                                                    single
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                             This sequence, corresponding to bovine basic fibroblast growth factor, can be found in Table 1, page 9, lines 9, 14, and 19, in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US/08/187,780
               application, as filed.
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; FILING DATE:
; PUBLICATION DATE:
; RELEVANT RESIDUES IN SEQ ID NO:
US-08-187-780-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-478-485-3
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Best Local Similarity
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                                                                                       TELEFAX: (212) 753-6237 (NFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                        APPLICATE: DEC.
FILING DATE: DV...
APPLICATION NUMBER: 0//..
APTING DATE: APTI1 4, 1988
TYTING DATE: APTI1 4, 1987
14. 1987
                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/187,780
FILING DATE: January 25, 1994
APPLICATION NUMBER: 07/901,705
FILING DATE: June 22, 1992
APPLICATION NUMBER: 07/806,771
FILING DATE: DECember 6, 1991
APPLICATION NUMBER: 07/17,506
                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,485
FILING DATE: Concurrently Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette,
MEDIUM TYPE: 1.44 MB storage
                                                                                                                         TELEPHONE: (212) 527-7700
                                                                                                                                                                                            APPLICATION NUMBER: 07/06
FILING DATE: June 16, 198
ATTORNEY/AGENT INFORMATION:
NAME: JOSEPh R. Robinson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: CLAUDIO BASILICO APPLICANT: DANIELA TALARICO
                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
                                                                                                                                                           REGISTRATION NUMBER: 33,448
REFERENCE/DOCKET NUMBER: 5986/13586-US6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U
ZIP: 10022
                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: New York
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24 YCKNGGFFLRIHPDGRVDGVREKSDPHIKLQLQAEERGVVSIKGV 68
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                                                 LENGTH:
COPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JOURNAL:
                                  amino acid
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linear
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                 single
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US-08-231-894A-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                            FILING DATE: 24-MAR-1992
ATTORNEY/AGENT INFORMATION:
                                                                             APPLICATION NUMBER: JP 0 FILING DATE: 26-APR-1991 PRIOR APPLICATION DATA:
                                                                                                                                                             APPLICATION NUMBER: US/08/231,894A
FILING DATE: 22-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/873907
FILING DATE: 24-APR-1992
                                                                                                                                                                                                                                                                 OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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APPLICANT: FUKUDA, TSUNEHIKO
TITLE OF INVENTION: BFGF MUTEIN AND ITS PRODUCTION
                                                                                                                                 PRIOR APPLICATION DATA:
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NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                               APPLICATION NUMBER: JP 066381-1992 FILING DATE: 24-MAR-1992
                                                                                                                                                                                                                                                                                                                                                                        ZIP:
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OTHER INFORMATION: Th
OTHER INFORMATION: GO
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STATE: MASSA
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RELEVANT RESIDUES IN SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity es 45; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DOCUMENT NUMBER:
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               RESNICK,
                                                                                                                                                                                                                                                                                                                                                                                                                                       130 WATER STREET
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DAVID S.
MBER: 34235
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                                                                                                                JP 097655-1991
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Pred. No. 1.1e-27;
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RESULT 9
US-08-231-894A-12
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (617) 523-6440 INFORMATION FOR SEQ ID NO:
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TELEFAX: (617) 523-644
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: JP 097
FILING DATE: 26-APR-1991
PRIOR APPLICATION UNMBER: JP 066
FILING DATE: 24-MAR-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: FUJISHIMA, AKIKA
APPLICANT: FUKUDA, TSUNEHIKO
APPLICANT: FUKUDA, TSUNEHIKO
TITLE OF INVENTION: BFGF MUTEIN AND ITS PRODUCTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
                                                  TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 523-3400
                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/873907
FILING DATE: 24-APR-1992
                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
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ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS
ADDRESSEE: & CUSHMAN
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ORIGINAL SOURCE:
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                                                                                    NAME: RESNICK, DAVID S.
REGISTRATION NUMBER: 34235
REFERENCE/DOCKET NUMBER: 4
                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: FILING DATE: 22-APR. CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER:
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                                                                                      41769-FWC
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US-08-231-894A-13
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Best Local Similarity 100.0%;
                                                                                                                                           TELEFAX: (617) 523-6440 INFORMATION FOR SEQ ID NO: 1
                                                                                                                                                                                                                                     FILING DATE: 24 MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: RESNICK, DAVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
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ADDRESSEE: BAVID G. CONLIN; DIKE,
ADDRESSEE: & CUSHMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: FUJISHIMA, AKIRA
APPLICANT: FUKUDA, TSUNEHIKO
TITLE OF INVENTION: BEGF MUTEIN AND ITS PRODUCTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FRAGMENT TYPE: internal ORIGINAL SOURCE:
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MEDIUM TYPE: Diskett
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                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 523-3400
                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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APPLICATION NUMBER: JP 097655-1991
FILING DATE: 26-APR-1991
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                            HYPOTHETICAL:
                                            MOLECULE TYPE:
 RAGMENT TYPE:
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STRANDEDNESS: sir
                                                              TOPOLOGY:
                                                                            STRANDEDNESS:
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                                                                                                                                                                                                                            REGISTRATION NUMBER:
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internal
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; FRAGMENT TYPE:
; ORIGINAL SOURCE:
US-08-231-894A-14
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US-08-231-894A-14
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Query Match
Best Local Similarity
Matches 45; Conserv
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                                                                                                                                 MOLECULE TYPE:
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                               TELEFAX: (617) 523-644
NFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                    TELEPHONE: (617) 523-3400
                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 24-MAR-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 0
FILING DATE: 26-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 0
APPLICATION NUMBER: JP 0
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APPLICATION NUMBER: US 07/873907
FILING DATE: 24-APR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA:
APPLICATION NUMBER: US,
FILING DATE: 22-APR-199
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TITLE OF INVENTION: BFGF MUTEIN AND ITS PRODUCTION
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SOFTWARE: FastSE
                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                   TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
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                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS ADDRESSEE: & CUSHMAN
                                                                                                                                                                                                                                     ENGTH:
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                                                                                                                                                    NO
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                                                                                                                                                                  peptide
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100.0%; Score 239; DB 2; 100.0%; Pred. No. 1.1e-27; tive 0; Mismatches 0;
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US-08-231-894A-15
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Best Local Similarity
Matches 45; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
US/08/231,894A
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MEDIUM TYPE: Diskett
COMPUTER: IBM Compat
                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
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REFERENCE/DOCKET NUMBER: 4:
TELECOMMUNICATION INFORMATION
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APPLICATION NUMBER: US 07/873907
FILING DATE: 24-APR-1992
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APPLICATION NUMBER:
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                                                             100.0%; Score 239; DB 2; ilarity 100.0%; Pred. No. 1.1e-27; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                     : (617) 523-34
(617) 523-6440
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linear
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26-APR-1991
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                                                                                             Length 146;
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RESULT

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US-09-105-678A-49

Sequence 4: Patent No.

49

9, Application US/09105678A 6103882

INFORMATION:

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5464943-6
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5464943-6
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NUMBER OF SEQUENCES: 42

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                           Patent No.
                              SEQ ID NO:6:
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Best Local Similarity
Matches 45; Conserv
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TELEPHONE: 617-523-6400
TELEPAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 49:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Suenaga, Masato
APPLICANT: Moriya, Takeo
APPLICANT: Tanaka, Yoko
APPLICANT: Nishimura, Osamu
                                                          APPLICATION NUMBER: US/08/275,635
FILING DATE: 15-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 7,089
FILING DATE: 19-JAN-1993
APPLICATION NUMBER: 511,469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/0 FILING DATE: 26-JUN-1998 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                           APPLICANT: SENOO, MI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: JP 172118/1997 FILING DATE: 27-JUN-1997 ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                          24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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ZIP: 02109
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                                             FILING DATE:
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                LENGTH: 146
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                                               20-APR-1990
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N: DNA ENCODING GLYCOSYLATED FGF AND
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RESULT 15
$464943-8
$7464943-8
;Patent No. 5464943
; APPLICANT: SENOO, MASAHARU;SASADA, REIKO;IGARASHI, KOICHI
; TITLE OF INVENTION: DNA ENCODING GLYCOSYLATED FGF AND
;PRODUCTION THEREOF
; NUMBER OF SEQUENCES: 42
; NUMBER OF SEQUENCES: 42
Search completed: September 13, 2001, 11:57:09 Job time: 207 sec
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5464943-8
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                                                                                                                                                                Query Match
Best Local :
                                                                                                                                               Matches
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                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
                                                                                                                                        Local Similarity 100.0%; tes 45; Conservation
                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 7,089
FILING DATE: 19-JAN-1993
APPLICATION NUMBER: 511,469
                                                                           24 YCKNGGFFLRIHPDGRVDGVREKSDPHIKLQLQAEERGVVSIKGV 68
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                                                                                                                                                                Score 239; DB 6;
Pred. No. 1.1e-27;
                                                                                                                                                Mismatches
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